KIDS PROGRAMMING ACTIVITY BOOK

BY KEVIN O'NEILL

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Read each word – then write it – then read its definition

Array

A B C

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An array is a collection of data.

Basic

```
10 print Hello
20 goto 10
```

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A computer language designed in the 1960's.

Button

Submit

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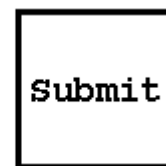
Item that one clicks which represents a choice to be made.

CAD

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Computer Aided Design (CAD) uses computer graphics instead of a pencil and paper.

CD-ROM

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Compact Disk-Read Only Memory (CD-ROM) is a compact disk used for computer storage.

Check box

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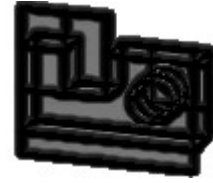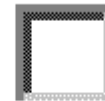
Small box that one clicks which then turns it off and on.

CPU

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Central Processing Unit is a part of the computer where operations are performed.

Debug

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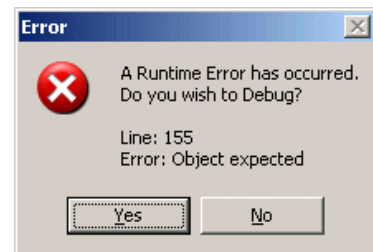
Process to search and remove errors from a computer program.

Disk

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Used with a computer as a data storage device.

Double-Click

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To click a mouse button twice.

Erase

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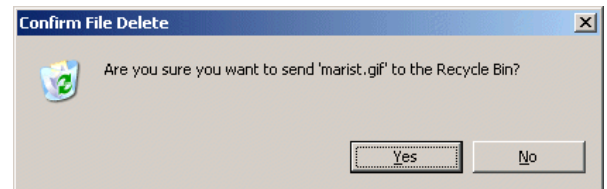
Delete a file from a disk.

File

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- -

_____
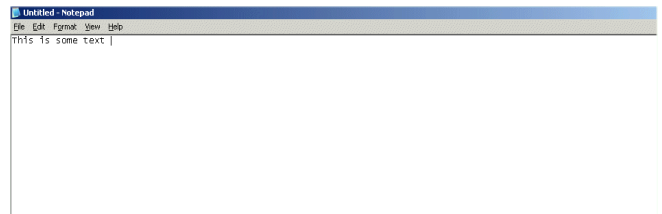
Block of information stored on disk.

Font

The quick brown fox jumps over the lazy dog. 1234567890

The quick brown fox jumps over the lazy dog. 1234567890

The quick brown fox jumps over the lazy dog. 1234567890

The quick brown fox jumps over the lazy dog

The quick brown fox jumps over

Collection of type sizes.

Icon

test.bat

A small picture that represents an object.

Laptop

A small lightweight computer.

Menu

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List of choices that appear on the screen.

Mouse

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Computer device that works by rolling around and pressing buttons.

Reboot

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- - - - - - - - - - - - - - - -

_____

Restart a computer.

Save

Transfer data to storage.
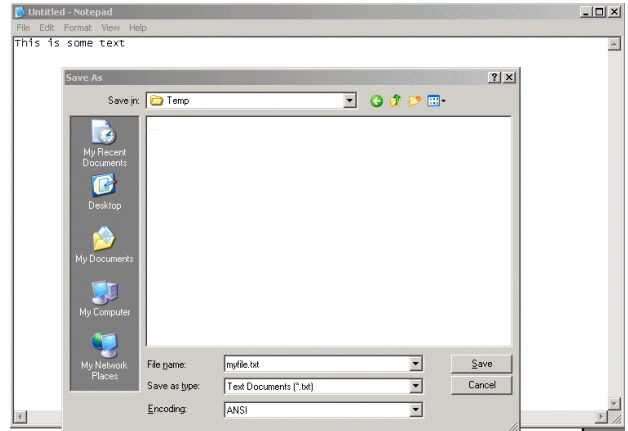
Text box
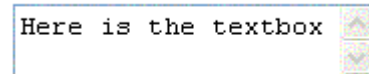
A text box is used to enter text

Bonus Word 1:

Monitor

Displays information on a screen.

Bonus Word 2:

Keyboard

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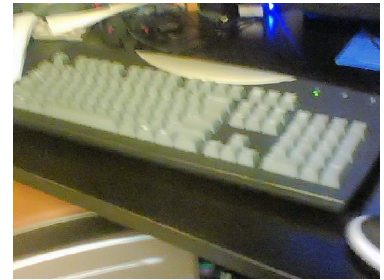
Allows text to be typed into the computer.

Bonus Word 3:

Computer

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A computer is a machine used to run instructions.

Write out each sentence on the line provided

The array is a collection of data.

A B C

_____

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_____

Basic was created in the 1960's.

`10 print Hello`
`20 goto 10`

_____

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Clicking the button represents a choice.

Submit

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CAD is used to draw out ideas.

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The CD-ROM is for storage.

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A checkbox can be turned on and off.

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The CPU is where computer operations occur.

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To debug a program removes errors.

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The disk stores data.

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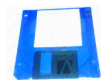
Double click an item twice to run it.

_____

_____

_____

Erase a file by deleting it.

_____

_____

_____

The file stores information.

_____

_____

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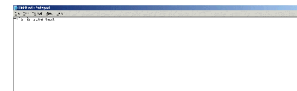
The font is a collection of type sizes.

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. . . .

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. . . .

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The icon is a small picture on an object.

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A laptop is a lightweight computer.

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The menu allows one to choose items.

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A mouse is used to click items on a screen.

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A reboot restarts a computer.

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To save data is to store it.

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A text box is used for typing text.

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_____
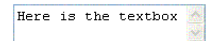
The monitor displays information on the screen.

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A keyboard is used for typing text.

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The computer is a machine that runs programs.

_____

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Read each compound word – then write it – then read its definition

Alert Box

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Gives message to user in a small window.

Bar Code

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Wide and narrow bars, which a computer reads with a special wand.

Clip Art

_____

_____
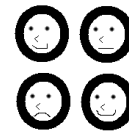
Artwork that can be used quickly.

Dialog Box

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- -

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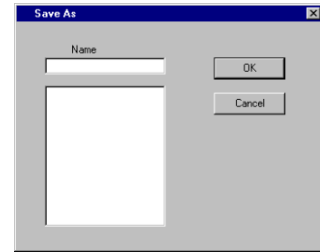
Window that appears to collect data from the user.

Disk Drive

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Allows computer to read and write data on disk.

Fiber Optics

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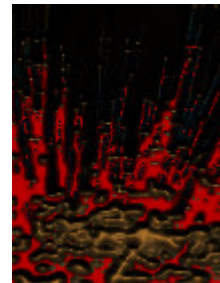
Cable that carries light made of a thin fiber of glass.

Hard Disk

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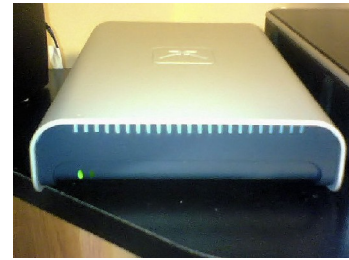
Storage for computer files and programs.

Log On

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Enter username and password to gain access to a computer.

Menu Bar

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- - - - - - - - - - - - - - - -

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Menu of items at the top of screen or window.

Radio Button

Circle to select, only one can be selected at a time.

Source Code

```xml
<?xml version="1.0" ?>
- <abc>
    <person>Dylan</person>
    <age>7</age>
    <person>Maura</person>
    <age>3</age>
  </abc>
```

Computer language code.

Text Box

Here is the textbox

Area user types or edits text in.

Text Editor

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Program that handles text and allows text to be saved, opened, edited and deleted.
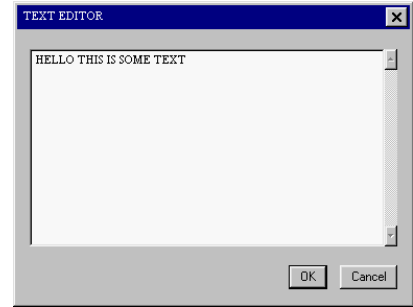
Title Bar

_____

_____

Label at top of a window.

Word Wrap

_____

_____
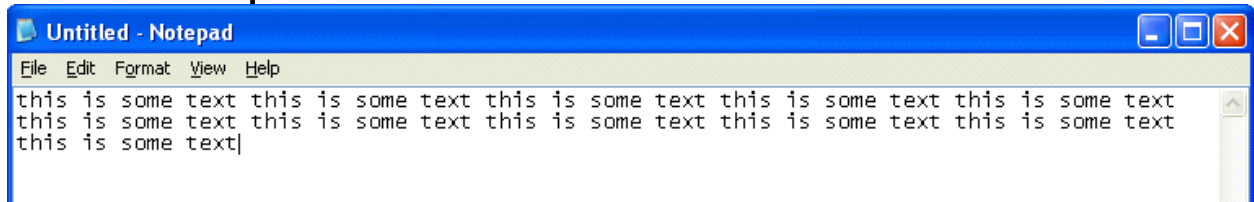
Occurs when the end of a line is reached, the text automatically jumps to the next line.

Secret words – use the code to fill in the secret words

1 = C	2 = P	3 = T	4 = O	5 = E	6 = M	7 = U	8 = R	9 = S
10 = A	11 = F	12 = N	13 = H	14 = I	15 = L	16 = D	17 = G	

___ ___ ___ ___ ___ ___ ___ ___ ___

1   4   6   2   7   3   5   8   9

___ ___ ___

10   8   5

___ ___ ___

11   7   13

Secret words – use the code to fill in the secret words

1 = C	2 = P	3 = T	4 = O	5 = E	6 = M	7 = U	8 = R	9 = S
10 = A	11 = F	12 = N	13 = H	14 = I	15 = L	16 = D	17 = G	

__ __ __
3 13 5

__ __ __ __
11 14 15 5

__ __ __ __ __ __
9 3 4 8 5 9

__ __ __ __ __ __ __ __ __ __ __
14 12 11 4 8 6 10 3 14 4 12

Secret words – use the code to fill in the secret words

1 = C	2 = P	3 = T	4 = O	5 = E	6 = M	7 = U	8 = R	9 = S
10 = A	11 = F	12 = N	13 = H	14 = I	15 = L	16 = D	17 = G	

__ __ __
3 13 5

__ __ - __ __ __
1 16 8 4 6

__ __
14 9

__ __ __
11 4 8

__ __ __ __ __ __ __
9 3 4 8 10 17 5

Word creation – how many words can you create from the following:

Programming	Computer	Text Box	Source Code

_____

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Computer crossword fun – find the words in the crossword puzzle. Words can be in any direction.

Computer Word Search

```
C  I  M  O  D  R  S  X  A  K  J  L  M  W  B

I  O  H  S  A  U  B  T  J  X  A  U  N  I  U

S  O  M  O  C  O  R  H  D  P  O  K  B  J  T

A  Q  U  P  K  X  N  Z  T  O  O  B  E  R  T

B  V  D  P  U  O  J  O  D  U  H  A  D  A  O

A  U  F  A  C  T  P  P  O  I  S  K  A  W  N

G  L  G  K  G  Y  E  T  H  P  S  F  H  W  O

N  W  Q  X  R  B  M  R  I  S  M  K  F  D  A

B  O  V  O  X  P  F  I  F  S  Y  I  S  C  D

S  V  A  Y  U  E  Y  C  D  L  L  T  N  O  F

G  E  E  N  J  D  J  O  S  E  P  J  E  B  J

O  G  E  S  A  V  E  N  A  V  K  G  L  S  R

Y  M  K  Y  U  R  D  T  C  E  M  G  G  C  Z

I  R  A  S  R  O  C  L  P  R  H  Q  G  Q  C

M  A  K  T  Y  O  M  F  I  I  H  U  P  Y  K
```

BASIC	BUTTON	CAD
COMPUTER	CPU	DISK
FILE	FONT	ICON
LAPTOP	MENU	MOUSE
REBOOT	SAVE	

Compound crossword fun – find the words in the crossword puzzle. words can be in any direction.

Compound Computer Words

```
D  I  S  K  D  R  I  V  E  B  F  S  A  Q  X
P  A  R  W  D  R  O  W  R  I  Q  X  E  W  X
C  T  E  N  P  D  T  A  B  W  K  E  I  O  H
V  T  D  E  V  R  B  E  L  K  C  Y  B  U  J
U  R  S  G  D  U  R  T  H  H  I  G  J  D  V
U  A  W  H  N  O  T  T  U  B  O  I  D  A  R
V  P  N  E  P  Q  C  D  U  L  I  M  J  F  O
A  I  M  T  Z  E  V  E  A  H  T  T  X  H  T
W  L  I  H  L  S  D  I  C  I  K  K  R  A  I
T  C  E  Y  I  O  D  O  T  R  R  T  B  R  D
S  S  D  R  S  P  G  L  C  U  U  I  E  D  E
H  L  H  T  T  M  E  O  Q  R  R  O  U  D  T
V  T  E  X  T  B  O  X  N  D  A  X  S  I  X
L  H  V  Q  A  X  O  E  S  O  O  B  K  S  E
V  E  A  R  D  L  F  X  P  P  R  X  V  K  T
```

ALERT-BOX	BAR-CODE	CLIP-ART
DIALOG-BOX	DISK-DRIVE	FIBER-OPTICS
HARD-DISK	LOG-ON	MENU-BAR
RADIO-BUTTON	SOURCE-CODE	TEXT-BOX
TEXT-EDITOR	TITLE-BAR	WORD-WRAP

Matching – match the word with the picture

Bar Code

Mouse

Radio Button

Keyboard

TextBox

Menubar

Computer Programming Languages --- Read each word – then write it – then write the lines of code which use that language

HTML

‎_____

Hello

‎_____

Hyper-text Mark-up Language is a scripting language that is used to write web pages.

<html>

<head>

<title>Hello</title>

</head>

<body>

Hello

</body>

</html>

‎_____
‎_____
‎_____
‎_____
‎_____
‎_____
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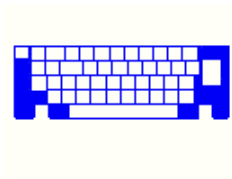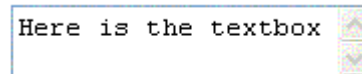
JavaScript

_____

_____

JavaScript is a scripting language that is used on web pages to create items.

<script language="JavaScript">

    window.alert ("Hello");

</script>

_____

_____

_____

_____

XML

_____

_____

The Extensible Mark-up Language is a scripting language that is used to define items.

```
<?xml version="1.0"?>
<pet>
        <name>Dog</name>
        <age>10</age>
</pet>
```

_____

_____

_____

_____

Java

Hello, World!

Java is a programming language that is used to create interactive programs.

```
public class Hello
//Java Hello Example
        {
                public static void main(String[] args)
                        {
                                System.out.println("Hello, World!");
                        }
        }
```

C

`Hello World`

C is a programming language that is used for general computer programs - it was created in the 1970's.

```
#include <stdio.h>
/* Prints Hello World */
main()
        {
                printf("Hello World\n");
        }
```

C++

`Hello World`

C++ is a programming language that is used for general computer programs - it was created in the 1980's.

```
#include <stdio.h>
 /* Prints Hello World */
main()
            {
                    printf("Hello World\n");
            }
```

Secret Words Answer

Computers

Are

Fun

The

File

Stores

Information

The

CD-ROM

Is

For

Storage

Word creation answers

The list below is just some of the words that can be created:

Programming	Computer	Text Box	Source Code

Programming	Computer	Text Box	Source Code
ramp	to	ox	or
am	mop	box	rode
or	me	to	doc
in	cop		sour
ma	or		
go			

Computer Word Search

```
C  I  M  O  D  R  S  X  A  K  J  L  M  W  B
I  O  H  S  A  U  B  T  J  X  A  U  N  I  U
S  O  M  O  C  O  R  H  D  P  O  K  B  J  T
A  Q  U  P  K  X  N  Z  T  O  O  B  E  R  T
B  V  D  P  U  O  J  O  D  U  H  A  D  A  O
A  U  F  A  C  T  P  P  O  I  S  K  A  W  N
G  L  G  K  G  Y  E  T  H  P  S  F  H  W  O
N  W  Q  X  R  B  M  R  I  S  M  K  F  D  A
B  O  V  O  X  P  F  I  F  S  Y  I  S  C  D
S  V  A  Y  U  E  Y  C  D  L  L  T  N  O  F
G  E  E  N  J  D  J  O  S  E  P  J  E  B  J
O  G  E  S  A  V  E  N  A  V  K  G  L  S  R
Y  M  K  Y  U  R  D  T  C  E  M  G  G  C  Z
I  R  A  S  R  O  C  L  P  R  H  Q  G  Q  C
M  A  K  T  Y  O  M  F  I  I  H  U  P  Y  K
```
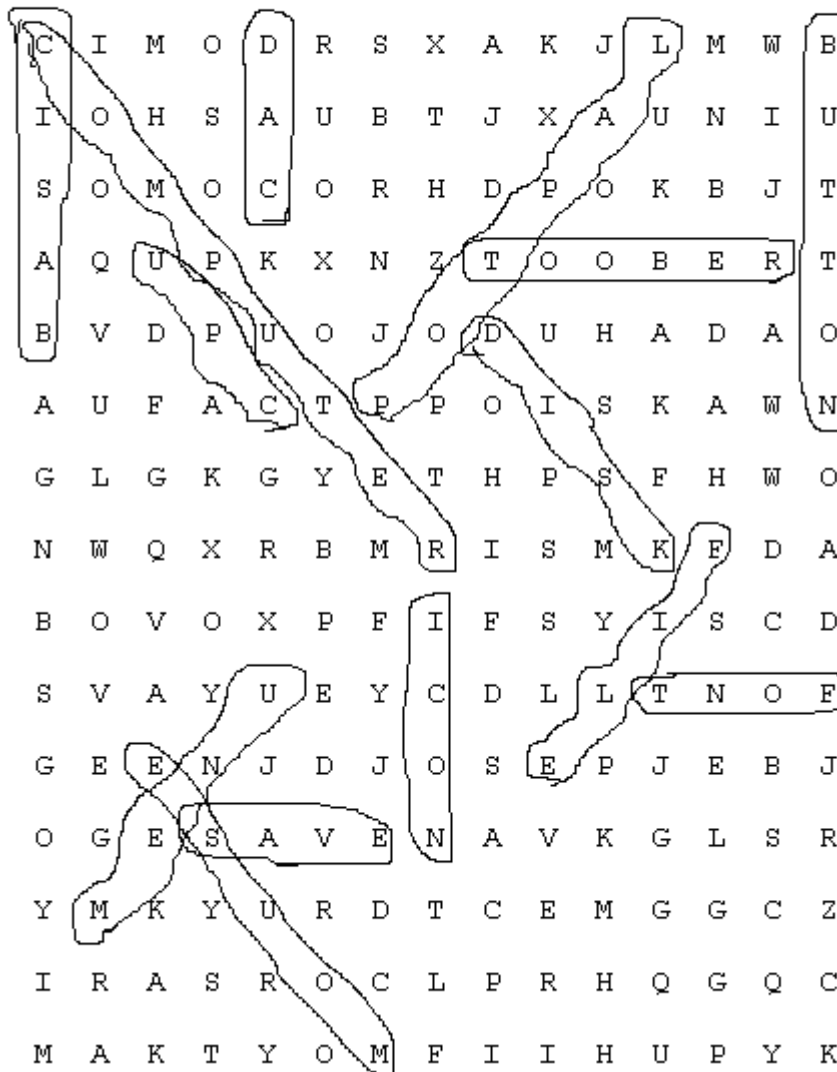
Compound cross word answer

Compound Computer Words

```
D  I  S  K  D  R  I  V  E  B  F  S  A  Q  X
P  A  R  W  D  R  O  W  R  I  Q  X  E  W  X
C  T  E  N  P  D  T  A  B  W  K  E  I  O  H
V  T  D  E  V  R  B  E  L  K  C  Y  B  U  J
U  R  S  G  D  U  R  T  H  H  I  G  J  D  V
U  A  W  H  N  O  T  T  U  B  O  I  D  A  R
V  P  N  E  P  Q  C  D  U  L  I  M  J  F  O
A  I  M  T  Z  E  V  E  A  H  T  T  X  H  T
W  L  I  H  L  S  D  I  C  I  K  K  R  A  I
T  C  E  Y  I  O  D  O  T  R  R  T  B  R  D
S  S  D  R  S  P  G  L  C  U  U  I  E  D  E
H  L  H  T  T  M  E  O  Q  R  R  O  U  D  T
V  T  E  X  T  B  O  X  N  D  A  X  S  I  X
L  H  V  Q  A  X  O  E  S  O  O  B  K  S  E
V  E  A  R  D  L  F  X  P  P  R  X  V  K  T
```

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Matching answer

Bar Code

Mouse

Radio Button

Keyboard

TextBox
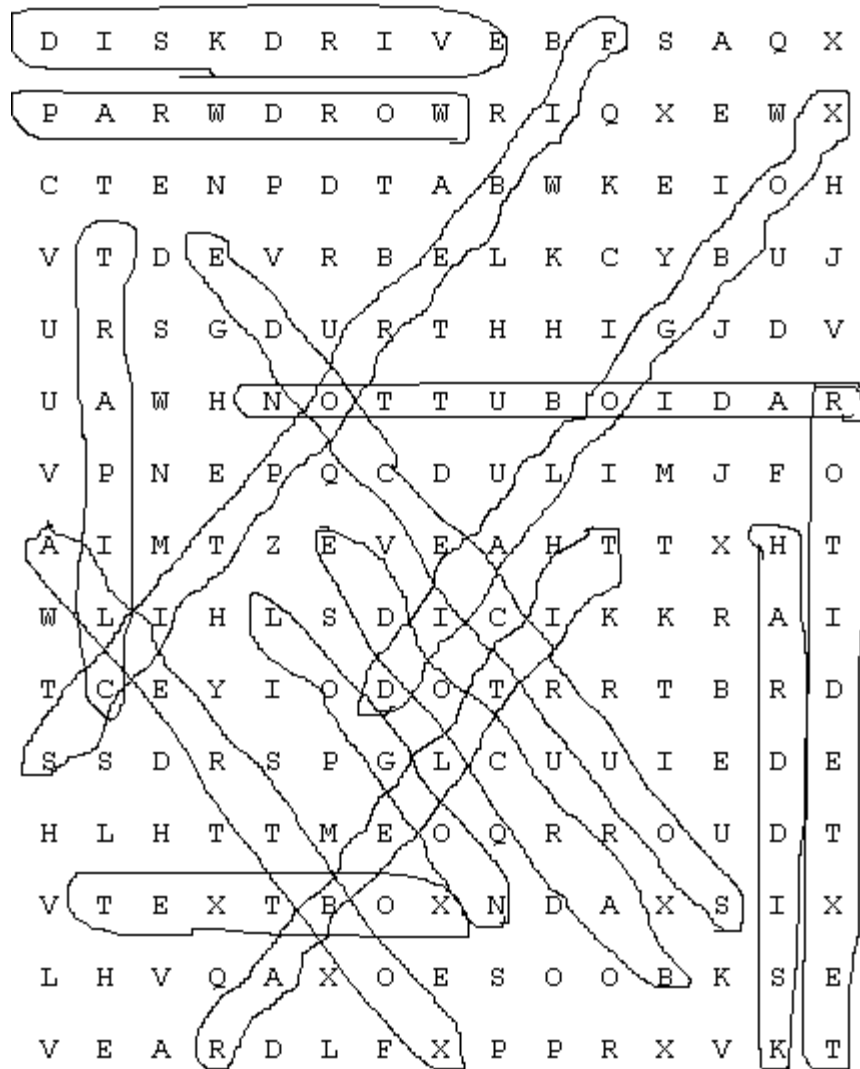
Menubar
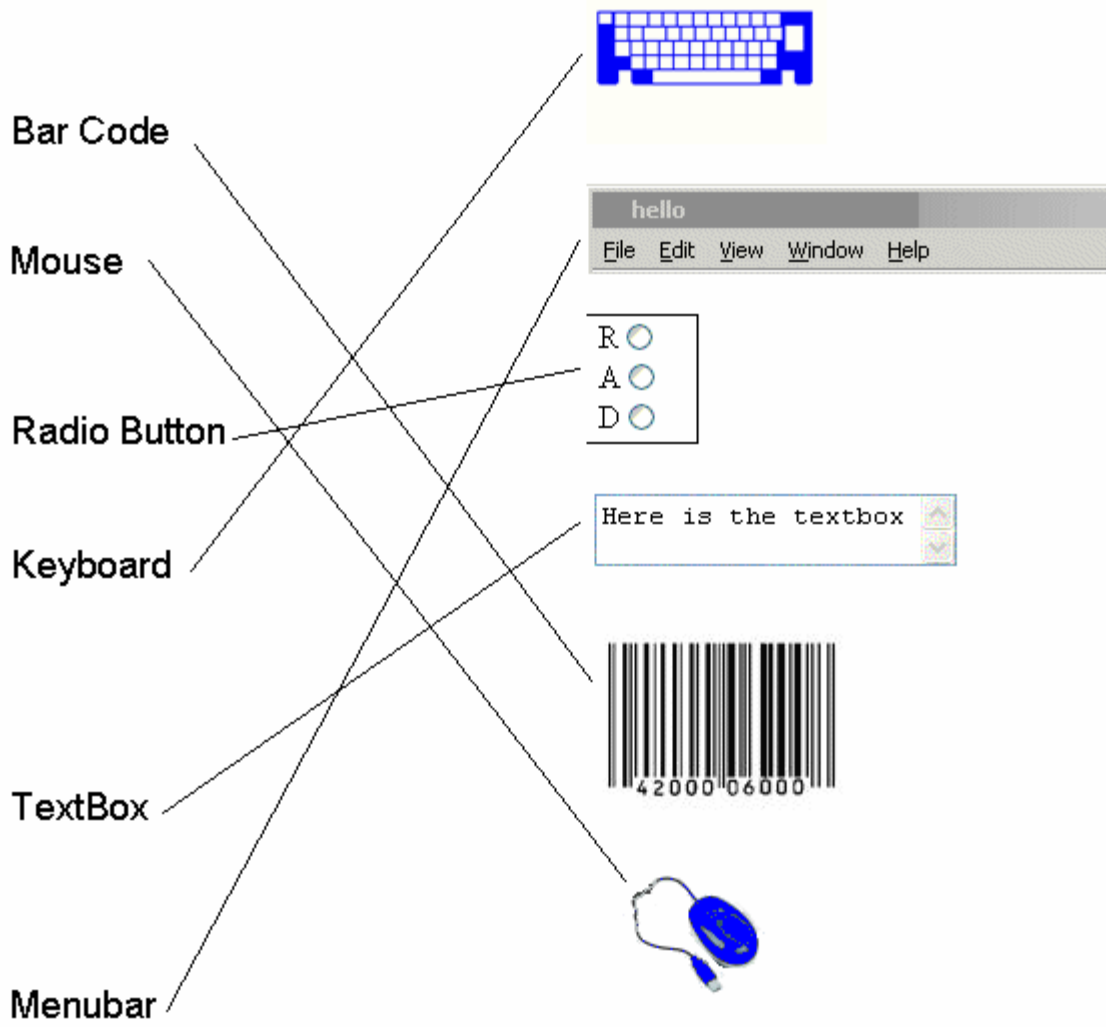
Biography

Kevin O'Neill was born in Poughkeepsie, NY in 1972. He has a MSCS in computer science and information systems and BA in journalism with a minor in music from Marist College located in Poughkeepsie, NY.

His interest in computer programming started at an early age of 8 when his parents bought him an Apple IIe computer. From that moment on – he was hooked. Mr. O'Neill started writing and studying BASIC and LOGO programs on his Apple IIe and eventually as time went on he has learned more programming languages such as APL, ASP, C, C#, C++, DHTML, HTML, Java, JavaScript, Jam, Visual Basic, XML and WML.

Mr O'Neill is married and has a son and daughter. They reside in Canonsburg, PA.

Besides writing and computer programming he enjoys playing guitar, piano, painting and spending time with his family.