

A TO Z PROGRAMMING

A Children's Book

By

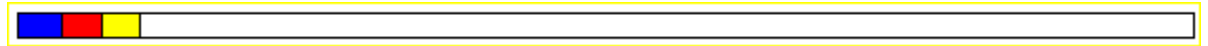
Kevin O'Neill

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For the parents:

The purpose of this book is to present Programming Words in a fun dynamic way so that Children can start to gain an understanding of these concepts at an early age.

The book contains a programming word for each letter of the alphabet on its own page which is complete with an illustration. A one line sentence about the word is then written.



A IS FOR ARRAY



The array groups the items



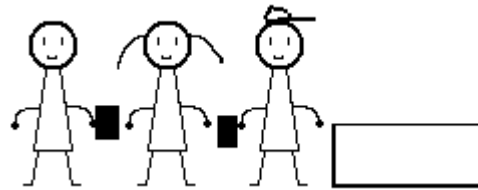
B IS FOR BRACES



The braces enclose the data



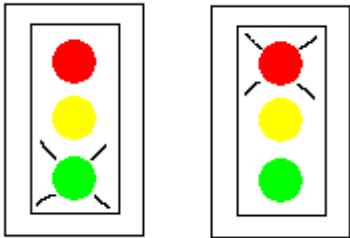
C IS FOR CLASS



The class allows for sharing

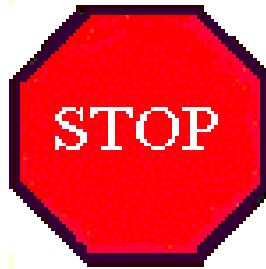


D IS FOR DO/WHILE LOOP



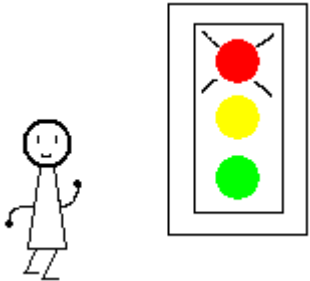
The do/while loop starts until it's told to stop

E IS FOR END



At the end of the program, it stops running

F IS FOR FOR LOOP



The for loop runs until it is told to stop



G IS FOR GRAPHICS



The graphics make programs fun to use



H IS FOR HTML

```
<html>
<head>
<title>H1</title>
</head>
<body>
<h1>My webpage</h1>
</body>
</html>
```

**The hypertext markup language creates
web-pages**



IS FOR IF/ELSE



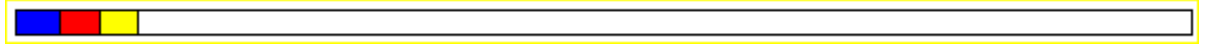
The if/else loop stops once an item is true



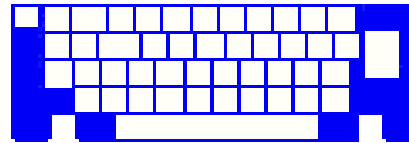
J IS FOR JAVA

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

Java is a programming language

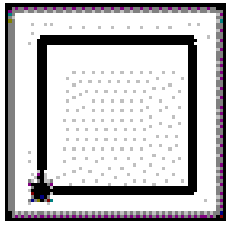


K IS FOR KEYBOARD



**The keyboard is used to type text into the
computer**

L IS FOR LOGO



190 r 180

Logo is a programming language for kids to create graphics



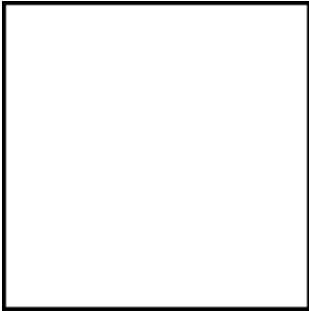
M IS FOR MENUBAR



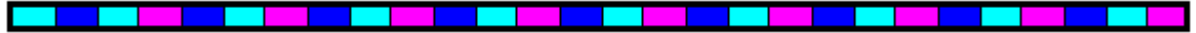
The menu bar is used to access commands in a program



N IS FOR NULL



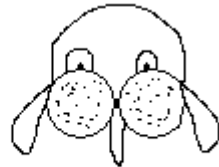
The value null doesn't contain anything



O IS FOR OBJECT



o.cat



o.dog

The object can be reused



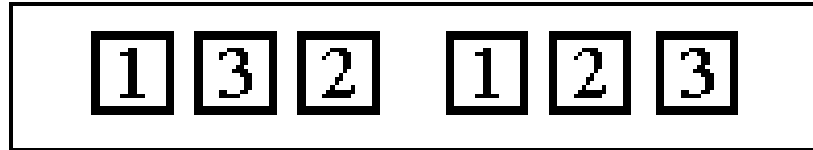
P IS FOR PROGRAMMING

```
//first program
#include <iostream.h>
int main(void)
{
    cout << "Hello this is my program";
    return 0;
}
```

Programming creates computer software

Q

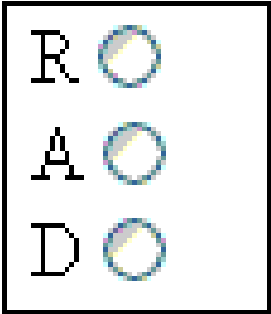
IS FOR QUICKSORT



Quicksort is used to sort items



R IS FOR RADIO BUTTON



A radio button is used to select an item



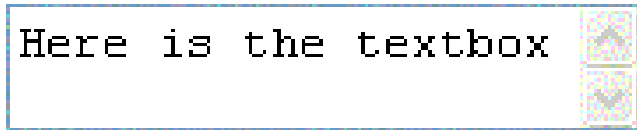
S IS FOR STRING

HELLO NICE TO MEET YOU!

The string contains letters



T IS FOR TEXTBOX



A textbox displays text



U

IS FOR USER-FRIENDLY

Numbers

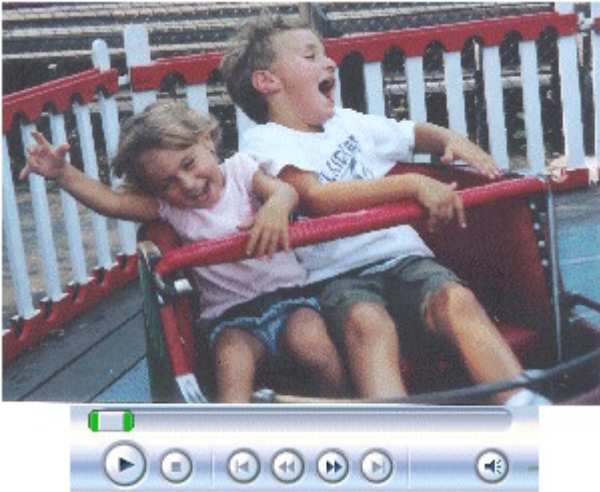
Letters

Colors

User-friendly software is easy for people to use

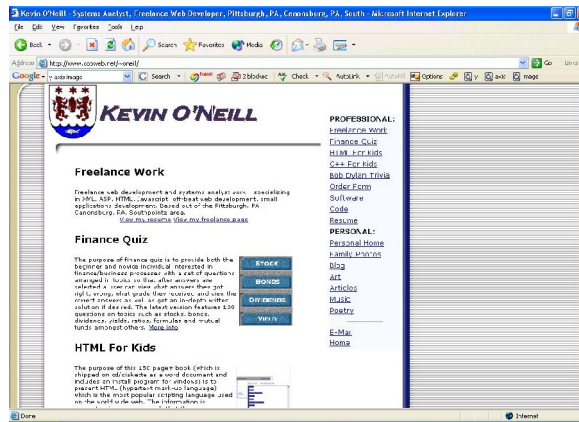


V IS FOR VIDEO

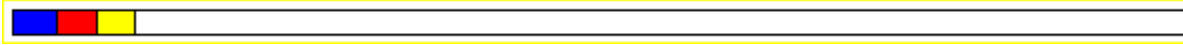


The video displays from a computer to its monitor

W IS FOR WEBSITE



The website displays text and images over the world wide web



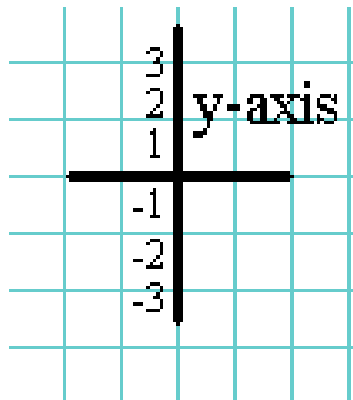
X IS FOR XML

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

**The extensible mark-up language creates
custom tags**



Y IS FOR Y-AXIS



The y-axis is the vertical axis



Z IS FOR ZOOM



Use the zoom to examine a small area