C# Fundamentals

Today's Agenda

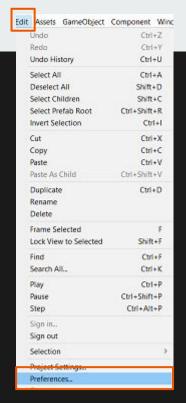
We're going to be going over Chapter 7: Scripting 1 and Chapter 8: Scripting 2

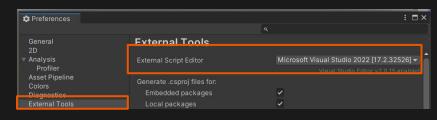
- We're going to learn how to declare and assign variables
- How to use boolean statements to determine actions
- Use loops and arrays to go through data
- Create your own functions

Unity Visual Studio Connected

Before we start programing let's make sure that Unity and Visual Studios are connected.

Go to Edit in the File Menu drop down and check your Preferences, in there check External Tools and click on the External Script Editor drop down, if Visual Studio isn't selected check it and now all Scripts will open through Visual Studio.





Create Script

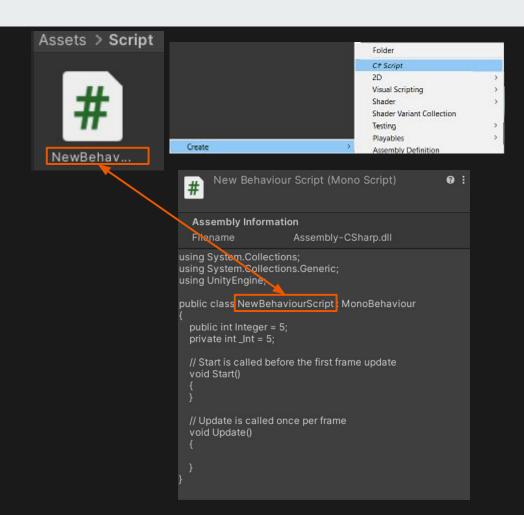
Now that we are sure that the Script will open up correctly we can create a Script Game Asset.

Go to the Project View and create the C# Script.

When creating the Script it's important to name it correctly the first time otherwise you might have issues as the name of the script has to match the name of the class inside the script.

If you need to change the name make sure you update both the Game Asset Name and the Class name in the file afterwards.

When selecting the Game Asset the Inspector will show you the preview of the Script inside it.



Anatomy of a Basic Script

The Using section of the program connect different Libraries to the Script you are programming in.

Libraries are just big collections of Methods or Functions that you can import, such as the Start and Update Methods shown in the body of the class.

As you see two of them are Grayed out and one is White, the Grayed out Libraries mean that they aren't currently being used as opposed to the UnityEngine one which is.

Now the public class NewBehaviorScript section defines our class. A class is a definition of component and anything in its body, anything between the {}, is part of its properties.

```
Eusing System Collections;
 using System.Collections.Generic;
 using UnityEngine;
 Mulity Script | 0 references
Epublic class NewBehaviourScript : MonoBehaviour
     // Start is called before the first frame update
       Unity Message | 0 references
     void Start()
      // Update is called once per frame
      Unity Message | 0 references
     void Update()
```

Of

Anatomy of a Basic Script

The: MonoBehaviour is an extension of the class meaning there is a Class called MonoBehaviour and it has its own properties that our new Script can use as if it was written inside its body. One of the main one being the ability to turn this Script into a Component.

Now within the body of our class you will always start with two Methods Start and Update.

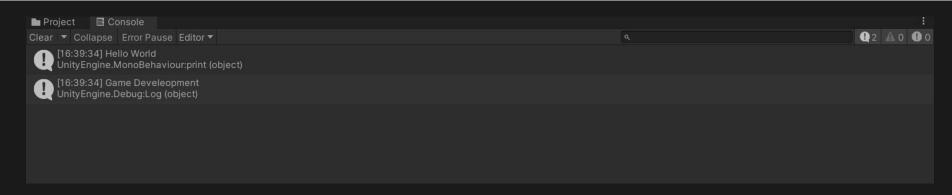
Start executes only once when the game goes into Play mode.

Update executes continuously every frame, every time Unity redraws everything on the screen. Frame is defined by your computer's performance, later we'll go over how to unify it.

```
Eusing System Collections;
 using System.Collections.Generic;
 using UnityEngine;
 Mulity Script | 0 references
Epublic class NewBehaviourScript : MonoBehaviour
     // Start is called before the first frame update
       Unity Message | 0 references
     void Start()
      // Update is called once per frame
      Unity Message | 0 references
      void Update()
```

Of

Printing Out into Console



"Hello World"

You can print things to the Console View using either the print() Method or the Debug.Log() Method.

Notice that each of the line ends with a;

That indicates that the statement is completed, some statements may be very long and take up few lines so we need this end of line statement so that the computer will be able to separate all of the actions.

```
// Start is called before the first frame update

@ Unity Message | 0 references
void Start()
{
    print("Hello World");
    Debug.Log("Game Development");
}
```

Challenge 1: Hello World

In the Start method's body use the print() function to print out the phrase "Hello World".

In the Update method's body use the Debug.Log() function to print out the phrase "Game Dev"

Make sure that once you've done the changes to the Script in Visual Studio you click the Save button otherwise those changes will not be reflected in the Script in Unity.

Finally you will have to attach the Script as a Component to a Game Object to see its effect take place. You can either do that by adding it from the Component List or just Drag and Dropping the Script to the component list.

Once you've done all of that you can click Play and see the results in the Console View.

```
View Git Project Build Debug Analyze
                                                   Tools
                                                     - At
                               Release + Any CPU
Challange 1.cs + X MethodsFunctions.cs
                                                   VariableType
Assembly-CSharp
       using System.Collections.Generic;
            using UnityEngine;
            Unity Script | 0 references
           □public class Challange_1 : MonoBehaviour
                // Start is called before the first frame update
                void Start()
                // Update is called once per frame
                void Update()
                        Challange_1 (Script)
                                                                          0 1
                                          Challange_1
```

Variables Types

There are many variables that you will be able to use as you create Scripts but these are the most common ones.

Int only allows you to use integers, they're great for keep count of items.

Float and Double are number that can use decimal places great for defining position, rotation, scale and so on. We'll mostly be using Floats.

Booleans come in only two choices, true and false and all us to keep track of actions.

Char are characters single letters that are used to make up Strings.

Strings are a collection of chars that can be used do display text to the user.

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```
int Integer = 1;
float Float = 1.23456789012345678901234567890f;
double Double = 1.23456789012345678901234567890d;
bool Boolean = true;
char Character = 'a';
string String = "Hello World";
```

You cannot directly change one variable type to another so doing

Integer = String will result in an error, however there are internal Methods that allow you to convert Data Types.

And some data type can interact with each other as we will see.

Variable Scope

Scope of the variable is something very important to understand. When you place a variable in the body of a class it become a Global variable that any other function could access and modify.

Meanwhile if you create a variable inside a Method such as the start Method that variable is Local only to Start, other Methods such as the Update Method won't have access to it.

```
int variableOne = 4;

// Start is called before the first frame update
© Unity Message | 0 references
void Start()
{
   int variableTwo = variableOne + 5;
   print(variableTwo);
}
```

Declaration and Assignment

Declaration is the creation of a variable, while the Assignment is giving it a value.

In this case variableOne is just declared while variableTwo is declared and has the value of 5 assigned to it.

C# is a good language that will auto assign default variables to anything that is declared. In this case variableOne has a hidden = 0 at the end of it. However if you try to use an unassigned variable you will run into a error.

If you ever encounter something that's underlined in red that means the code will not execute, in most cases Visual Studio will tell you what the problem is if you hover your mouse over the issue.

```
int variableOne;
int variableTwo = 5;

// Start is called before the first frame update
@ Unity Message | 0 references
void Start()
{
    variableOne = 5;
    print(variableOne + variableTwo);
}

print(variableOne);
```

Each declaration of variables requires two things, the Data Type in this case int and the name for the variable. You can't have two variables with the same name.

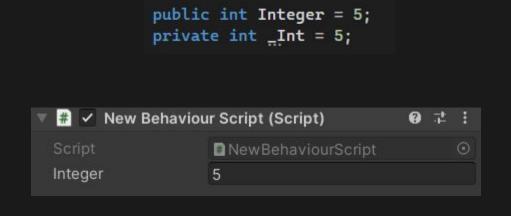
Once a variable has been assigned using the = will overwrite the value and give it that new value.

Public Vs Private Variables

Similarly to Scope Private and Public variable tells the variable if they can be used only inside this Class or if they can be modified by other classes directly.

We've encountered few public variables in previous scripts that allowed you to change the speed at which the character was moving. Those you can directly influence through the Inspector View

Private Variables on the other hand are not visible in the Inspector View and will only be changed by the internal workings of the Script.



Challenge: Variables Kahoot

We're going to answer a few questions on Kahoot

Join at www.kahoot.it







▲ It will print out "Hello World" once in the Console View

♦ It will print out "Hello World" continuously until the program is stopped

It won't print anything out

■ You will get an Error















▲ int i = 7.3f;

String = "Hello World";

float xPosition = 2.4f;

■ bool truth = true

Only Public Variables can be reasssiged























▲ It's a Global variable and you can use it in any method

♦ You can only use that variable in the Start Method

• It's a Public Variable and you will see it in Inspector View

■ You cannot declare variables in the body of the class











What is print(var2) going to print?





```
public int var1 = 0;
// Start is called before the first frame update
@ Unity Message | O references
void Start()
{
   int var2 = 1;
   var2 = var1;
   print(var2);
}
```

```
      ▲ 2

      ● Error
```

Int Data Type can have decimal palces















▲ Error
♦ The Number is

The Number is 4

Arithmetic Operators

Your programs will have to do math, whether it's moving the player in a direction or adding or subtracting health or collectibles you will have to perform Arithmetic operations.

You are familiar with four of them, addition, subtraction, divisions and multiplication.

The only one that might be new is Modulo or %. Think of it as a fraction asking how much is left.

If you have 5/2 the equivalent is $2\frac{1}{2}$, Module care about the number left on top at the end, 1.

```
// Start is called before the first frame update
void Start()
    int variableOne;
    int variableTwo = 5:
   //Adds the value of variableTwo and 5 and assigns the value to variableOne
   variableOne = variableTwo + 5;
    print(variableOne):
   variableOne = variableTwo - 5;
   print(variableOne);
    //Multiplies the value of variableTwo and 5 and assigns the value to variableOne
    variableOne = variableTwo * 5;
    print(variableOne);
   //Divdes the value of variableTwo and 5 and assigns the value to variableOne
   variableOne = variableTwo / 5;
   print(variableOne);
    //Modules the value of variable Two over 5, module asks how many times does the second number fits into the first and what is the remider.
    //Here the result is 0 as 5 fits into 5, one time without leaving 0 as reminder. Think of it as 5/5 which is 1 0/5.
    variableOne = variableTwo % 5;
    print(variableOne):
    //Here the result is 1 as 2 fits into 5, two times leaving 1 as remidner. Think of it as 5/2 which is 2 1/2.
   variableOne = variableTwo % 2:
    print(variableOne);
```

Assignment Operators

Sometimes you want to quickly change the value of the variables you are currently working with.

Rather than saying variable = variable + 2 you can condense the action by just performing the action on the assignment.

Thus variable = variable + 2 turns into variable += 2.

In addition you will want to move incrementally by one or up or down these are even further sumipeld by performing variable++ or variable--;

```
int variableOne = 0;
int variableTwo = 5;
//Sometimes you want to change the value of a variable by itself and some other variable
variableOne = variableOne + variableTwo;
print(variableOne);
//To do this there is a shorthand that simplifies the code, changing variableOne + to +=, -=, *= and /=
variableOne += variableTwo:
print(variableOne):
variableOne -= variableTwo;
print(variableOne);
variableOne *= variableTwo;
print(variableOne);
variableOne /= variableTwo;
print(variableOne);
//A lot of times you will want to increase/decrease a number by one for counting purpose
variableOne = variableOne + 1:
print(variableOne);
//For that the ++ or -- is shorthand for increase/decrease by one
variableOne++;
print(variableOne);
variableOne--:
print(variableOne);
```

Equality Operators

Equality Operators check if one of the two sides are and return you a value that's either true or false.

Since = is used as an assignment operator we use == to ask if two side are equal to each other.

Similarly we use != to check if the two side are not equal to each other.

You've used the greater, less, greater or equal, and less or equal values in math classes.

The main idea to keep in mind is that 3 < 3 is false as computer since is very direct and s 3 is not smaller then 3 it's false.

```
    □ Unity Script | 0 references

=public class IfStatments: MonoBehaviour
     // Start is called before the first frame update
     Unity Message | 0 references
     void Start()
         //Checks if the two sides are equal
         print(6 == 7); //False
         print(6 == 6); //True
          //Checks if the two side are not equal
         print(6 != 7); //True
         print(6 != 6); //False
          //Checks if one side is large than the other
         print(5 > 3); //True
         print(5 < 3); //False
         print(3 > 3); //Fasle
          print(5 >= 3); //True
         print(5 <= 3); //False
         print(3 >= 3); //True
```

Logic Operators

Logic operators allow you to string together several logic statements. Using && and || connects two or more logic statements.

&& or And ask if both of the statement are true, if both are then the result is truth if any of the statements in the And is false the whole statement is false.

|| or Or asks if any of the statements presented is true, if any of the statements present is true then the whole statement is true.

```
// Start is called before the first frame update
Unity Message | 0 references
void Start()
    //! Invertes the boolean value
    print(!true);
    print(!false); //True
    print(!(6 == 6)); //False
    //Asks if ALL statments are true, if either is false the result is false
    print(true && true); //True
    print(true && false); //False
    print(false && true); //False
    print(false && false);//False
    //Asks if ONE of thes statments is strue, if it is result is true
    print(true || true); //True
    print(true || false): //True
    print(false || true); //True
    print(false || false); //False
    print((6 == 6) && true || (7 < 3)); // True
```

Challenge: Operators Kahoot

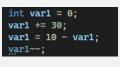
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Join at www.kahoot.it

What is the result?













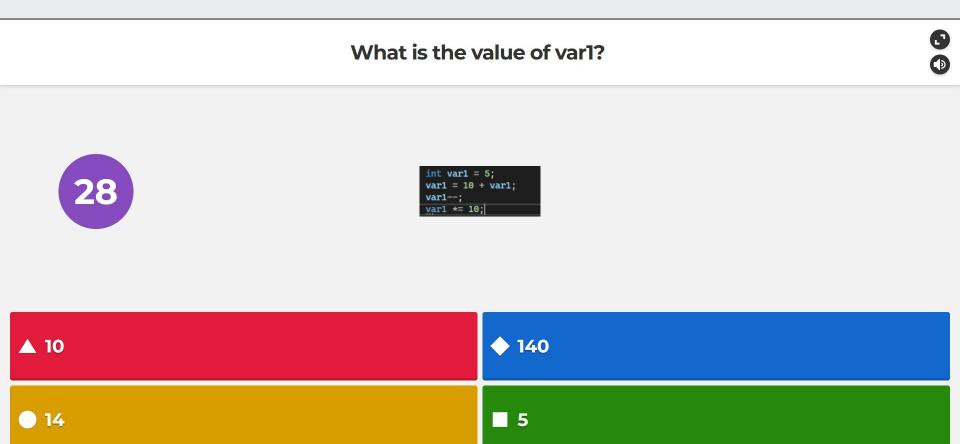




 ▲ 2

 ● 12

 ■ 10























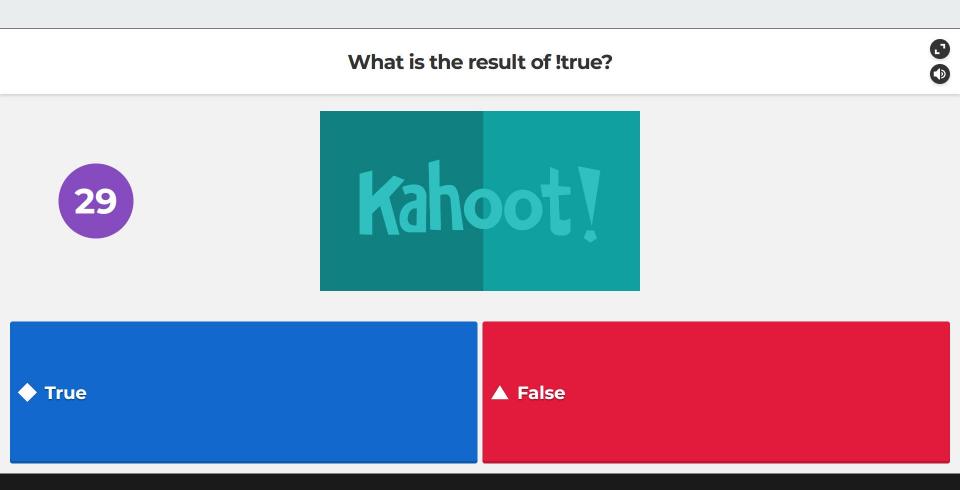


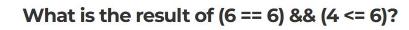








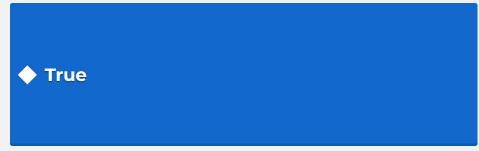


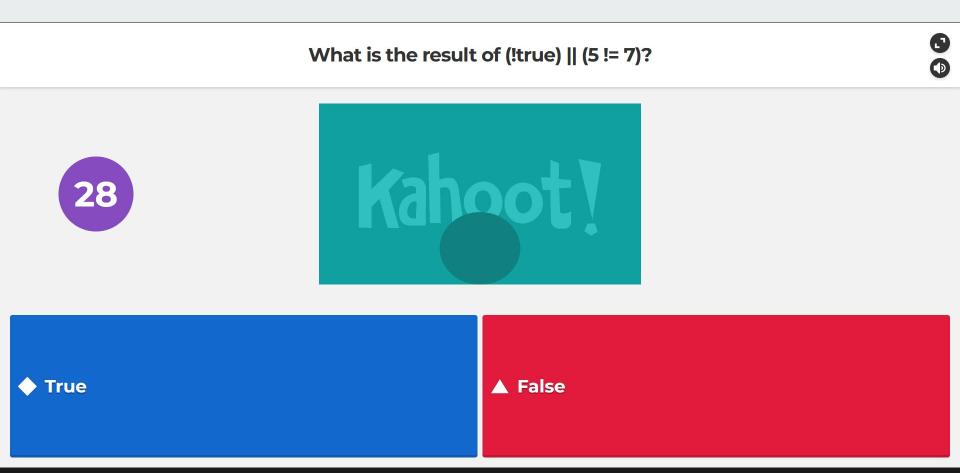










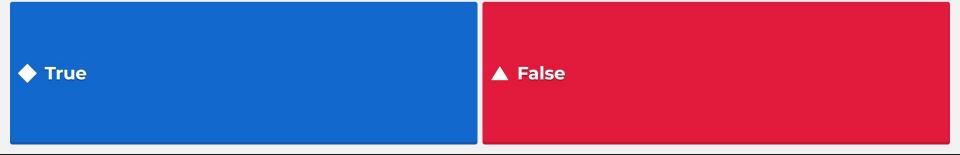


What is the result of this statment?





```
int var1 = 6;
print((var1 != 8 || 5 <= 8) && true);</pre>
```



If Statement

If statements allow you to create paths for the code to flow through based on state of your variables.

If the If Statement is true the code inside its body will execute, otherwise it will be skipped and the next line will execute.

If Statement can be extended by adding an Else clause which will execute if the statement is false.

If statement can also have multiple secondary using the 'Else if' statements that provide other routes. Whatever the first statement that is true will execute.

Such as when we have variable <= 6 and < 6 the first one will execute and the rest will be skipped.

```
int variable = 0:
//Asks if a statement true, if is execute code inside the braces otherwise moves on
if (variable == 0)
    print("Statment One: If");
//Asks if a statement true, if is execute code inside the brace otherwise moves on
 /Else execute the code in else braces
if (variable == 6)
    print("Statment Two: If");
else
    print("Statment Two: Else");
//Checks if any of the statements are true, the first true statement gets executed.
if (variable == 6)
    print("Statment Three: If");
else if (variable <= 6)
    print("Statment Three: Else If One");
else if(variable < 6)
    print("Statment Three: Else If Two");
else
    print("Statment Three: Else");
```

Ternary Conditional Operator

```
//Assign variable the value of either 10 or -10 depending on if variable is 10 < 0.

variable = variable < 0 ? 10 : -10;

print(variable);
```

Ternary Operator is a special case of if statement that allows you to assign value based on the result of a statement.

So first you have the statement.

The Question mark tells us that the statement is over then the first value is the case where it's true

The second value is the case where it's false.

Switch Statement

Switch statement is very similar to a If Statement with main difference being that you are comparing a variable to different cases it could become.

It starts off placing in the variable you are using the compare to different states.

Inside the body of the switch statement you will create cases that the variable could equal to.

Each case will have break statement in it to jump out of the sequence, otherwise the code will just move on to the next state.

Switch statement have default cases which work like else in if statements.

```
//Switch Statement allows you to test the variable against a bunch of diffrent cases
int variable = 0.
switch (variable)
    case 1:
            print("Case 1");
            //Break Tells us to leave the Switch Statment,
            //otherwise we will continue to look at all the other statements
            break;
   case 2:
            print("Case 2");
            break;
    case 3:
            print("Case 3");
            break;
   default:
            print("Case Deafult");
            break;
```

Enum

Enum is a way to create a Data Type that correlate Naming to integer variables.

This is very useful for switching between states in game.

You first create Enum and state its name and within the body you define the states that the enum could be.

Once you create an Enum you can create a variable of that enum that can be used as any other type of variable.

```
//Enum allows you to create named constants that are easier
//for the programer to keep track of states in a more undesable
//way that using integer to define states
enum State
   Load,
   Playing,
   Die
//Enum create a new variable type that you can now acess
State currentState = State.Load;
// Start is called before the first frame update
Unity Message | 0 references
void Start()
    switch (currentState)
        case State.Load:
            //Do Something
            break;
        case State.Playing:
             //Do Something
             break;
        case State.Die:
             break;
```

Challenge: If/Switch Statement Kahoot

We're going to answer a few questions on Kahoot

Join at www.kahoot.it

Even will print out in the Console View?





```
int var = 3;
if(var%2 == 0)
{
    print("Even");
}
else
{
    print("Odd");
}
```



What will print out?





```
int grade = 75;
if(grade < 65)
{
    print("Fail");
}
else if(grade >= 65 && grade < 90)
{
    print("Pass");
}
else
{
    print("A");
}</pre>
```

```
▲ Fail
♦ Pass

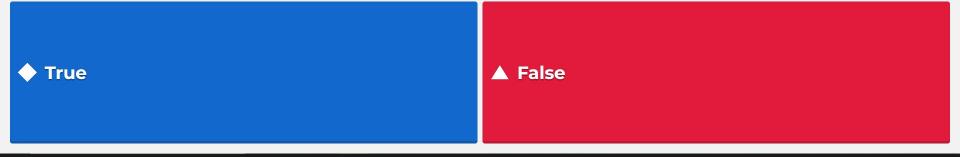
A
Error
```

Will we create a new enemy?





```
int enemiesOnScreen = 4;
if(enemiesOnScreen < 10)
{
    //Create Enemy
}</pre>
```



Superman will print out in Console View?







```
string characterName = "Clark";
switch (characterName)
    case "Bruce":
            print("Batman");
            break;
    case "Clakr":
            print("Superman");
            break;
    case "Diana":
            print("Wonder Woman");
            break;
```





What will print out?





```
string name = "Hal";
int var = 5;
if(var > 5)
{
    print("True 1");
}
if(var%3 == 0 && name.Contains('H'))
{
    print("True 2");
}
```



While Loop

```
int counter = 0;
//While loop executes until the statement is true,
//It is possible to make a statement that will not be
//fulfilled and create an infinite loop that will never finish executing
while (counter < 100)
{
    counter++;
    print(counter);
}</pre>
```

While Loop allows you to perform same action as long as the statement in the while loop is true.

In this case we are performing the action until the counter hit 100, the code does not do anything other than the while loop is working.

It's very easy to create an infinite loop that will run forever if the statement is never turned false, Update Method works a infinite while loop.

For Loop

The for loop does a very similar job to the while loop but with a clear end.

It works by declaring and assigning a variable that you will go through. Usually we use i and j, this variable will be localized to the for loop and once it's done the variable will no longer be accessible, such that you can declare another for loop with variable i without any problem.

Once you declare the variable you will be working with you then set the condition under which the for loop will continue. In first instance as long as i is less than 4 we execute the loop.

Lastly you set the increment step, in the first case it's by 1. So we will have 4 prints out of 0, 1, 3, 6.

```
int variable = 0;
//For loop allows you to perform something x amount of times 4
//you create a variable i that's only in the scope of the loop
//Once you exit the loop i no longer exits and can be used in a new,
//loop
for (int i = 0; i < 4; i++)
   variable += i;
   print(variable);
//You can use any start, end and increments for the for loop
for (int i = 8; i > 0; i = 2)
   variable -= i;
   print(variable);
```

Challenge: Loops

Challenge#1:

Using either While Loop or For Loop create a Script that will print out odd numbers starting with 1 and ending with 11.

Result: 1, 3,5,7,9,11

Challenge#2:

Using either While Loop or For Loop create a Script that will print out numbers that are divisible by 3 or 5 starting with 1 and ending with 15.

Result: 3,5,6,9,10,12,15

Hint: You have to use a If Statements to separate the numbers Sebastian Grygorczuk - STEM Institute at CCNY

Array

```
//Array holds a preset number of variables declared by the [4]
//with the variables specified in the {0, 1, 2, 3}
int[] array = new int[4] { 0, 1, 2, 3 };

//The positions in an array start at 0 and increment by 1
print(array[0]);

//Array has a length component that can be assested by the .
print(array.Length);
```

Array is a container that can hold data types. You declare it by declaring a regular Data Type followed by [].

You need to use the special new operator, this ask the computer to allocate the space necessary for the container followed by the type of data and number of spaces you want to allocate.

Arrays are static conditions that can no add or remove any spaces in the container you've created.

You can declare the values of the array using {} or you can leave them unassigned without using the {}.

You can access each value using nameOfArray[x] where x is called the index and the first index is denoted by starting at 0.

Accessing Array

Best way to access all of the element in the array is using a loop.

Using the length -1 allows you to go through all of the variables. Remember array's index starts at 0 so if the length is 4 you want to go through indexes 0,1,2, and 3.

You could also use a special variation of the for loop called foreach in which you declare a variable of the same data type that is stored in the array and point to the array.

The foreach loop will go through every variable that exists in it and perform an action.

```
//For Loop is great for accessing each variable in the array,
//the end size is array.Length - 1 as we start at 0 and end at 3.
for (int i = 0; i < array.Length - 1; i++)
{
    print(array[i]);
}

//Foreach loop allows you to go through every variabe in the array foreach(int variable in array)
{
    print(variable);
}</pre>
```

List

List differs from Array in a way that it allows you to Dynamically add and remove items to the contierner.

List uses some different wording such as Length being changed to Count.

Using the function .Add adds a item to the end of the list.

Using the function Insert(0,1) indicates that you want to place a variable of value 1 at the index of 0, the list will automatically shift all of the other values +1 index.

You can also use the Remove function to find the first occurrence of the value 52 and remove it from the list.

Likely you can also choose to use RemoveAt function to remove a specific index.

Game Object use lists to keep track of all of the children it has.

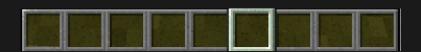
```
//Lists work very similarly to array with the exception that they have
//the power to be expanded or shrunk in their size
List<int> list = new List<int>();
//Tells you the Lenght of the list
print("Size " + list.Count);
//Extends the size and adds a the value at the end of the list
list.Add(52);
print("Index 0 " + list[0] + " Size " + list.Count);
//Extends the size and adds the value at the provided index of the list
list.Insert(0, 1);
for (int i = 0; i < list.Count; i++) { print("Index " + i + " " + list[i]); }</pre>
print("Size " + list.Count);
//Removes the first index that has the same value as pass in value
list.Remove(52);
print("Index 0 " + list[0] + " " + list.Count);
//Removes the value at the provided index
list.RemoveAt(0);
print("Size " + list.Count);
```

Array Vs List

Using an array versus list depends on what it is you are trying to achieve.

Let's say you are putting together a inventory for your character, you want to have a limited slots, kind of like the hotbar in minecraft. Each space in the bar is a index in the array and instead of storing integers it can be storing game objects.

On the other hand you want to use a list when you have something like Quest System, where your quest log is empty at the very start of the game and as you interact with people new Quests are added or removed based on your completion of them.





Challenge: Array & List

Challenge #1:

Write a script to print number

of values in an array and display it in reverse order.

Int[] array = new int[] $\{0,1,2,3\}$;

Sebastian Grygorczuk - STEM Institute at CCNY

Result: 3,2,1,0

Warning: Do not remove items in list in array directly as the index will change with each

5.

Challenge#2:

Result: 2,4,5,7,10,16,18,20

Part 1: Create a List of even

numbers starting with 1 and

ending with 20 and print it out.

Result: 2,4,6,8,10,12,14,16,18,20.

Part 2: Remove the value of 12

and the remove the value at index

Challenge Test Prep

Challenge #1: Create a function that will find the largest number in the array, int[] array = new int[10]{10,20,234,12,4423,12,5532,123,5233,1312}

Challenge #2: Create a function that will find which string is the longest in the string[] stringArray = new string[5] {"Hello World", "Game Dev", "STEM at CCNY", "Summer 2022", "It's really hot outside"};

You can use the stringName.length to determine how long the string is.

Methods - Functions

If you were only to code inside of Start and Update it would be impossibly long and you'd be repeating same actions ever few line.

To avoid that you can create your own Methods that will execute the same way every time you call on them.

In this example our function does nothing but prints out the Hello World but imagine one that prints out an array or list.

```
// Start is called before the first frame update
@ Unity Message | 0 references
void Start()
{
    PrintOutStatment();
}

1 reference
void PrintOutStatment()
{
    print("Hello World");
}
```

Returned and Passed in Values

Each method is built out of three elements.

The Return value, in our print statement it's void meaning we give nothing back but in the SquareValue method we return an integer, we do that by using the return operator.

Each method has to have a name that we can use to call it.

Lastly each method take in parameters that are indicated in the (), this is what is required for you to pass in for the function to work. Think about it like the print function requiring a String.

```
// Start is called before the first frame update
 Unity Message | 0 references
 void Start()
     PrintOutStatment();
 1 reference
 void PrintOutStatment()
     print("Hello World");
// Start is called before the first frame update
Unity Message | 0 references
void Start()
    int variable = SquareValue(2);
    print(variable);
1 reference
int SquareValue(int value)
    return value * value;
```

Default Parameters

Depending on what you're doing you might want a Method to act a certain way most time and differently sometime.

Default Parameters allow you to give a standard way of action of method that you could overwrite if you choose to apssi n a parameter.

```
// Start is called before the first frame update
@ Unity Message | 0 references
void Start()
{
    DeafultParametersPrint();
    DeafultParametersPrint("New Text");
}
```

Overloading Methods

Unlike variables you can have two of the same function as long as they take in different parameters.

This is called overloading and it's very useful when you want to perform the same action with different data types.

Imagine you have the SquareValue function. You wouldn't want to make SquareValueInt and SquareValueFloat, you rather just have SquareValue and pass in whatever data you need.

```
// Start is called before the first frame update
Unity Message | 0 references
void Start()
    PrintOutStatment();
    PrintOutStatment("Game Development");
1 reference
void PrintOutStatment()
    print("Hello World");
1 reference
void PrintOutStatment(string statment)
    print(statment);
```

Challenge: Methods

Challenge #1: Create a function that will print out "Hello World" when it's called

Challenge #2: Create a function to which you can pass a value and you return cube of that number.

Challenge #3: Create a function that you can pass in an array and it will print out the values of all of the indexes.

Commenting

Just like keeping your Project and Hierarchy Views organized so it is same for the code.

Weather you're working in a group or by yourself over time you will forget what the code does and good documentation will help you or your partner catch up to speed.

This is my personal style of organizing but you can develop whatever way of documenting works for you.

```
// Variables
int variableOne = 0;
int variableTwo = 1;
int variableThree = 2:
// Base Methods
// Start is called before the first frame update
void Start()
// Update is called once per frame
Unity Message | 0 references
void Update()
* Purpose: Prints out the Hello Wolrd Statment
* Parameters: N/A
* Return: N/A
void PrintOutStatment()
    print("Hello World");
```

Practice Problems

Challenge #2: You have an array {5,21,100, 23, 35,12} and you want to reverse the array so that it looks like this: {12,35,23,100,21,5}.