

**VB Programming**

**Selection**

As well as standard If Statements for one single condition, we may wish to test for multiple conditions for e.g. If a student scored more than 80 in the exam then they achieve a Distinction, otherwise if they achieved between 60 and 80 they achieved a Merit, otherwise if they achieved less than 60 they failed.

**Statements Used**

If (condition)

{

}

else if (condition)

{

}

else

{

}

**The Program**

namespace ConsoleApplication

{

class Program

{

static void Main(string[] args)

/\* Using an IF Statement with Else / Else If

\* D Bateson

\* September 2017 \*/

{

int number;

int guess;

Console.WriteLine("Please enter a number");

number = int.Parse(Console.ReadLine());

Console.WriteLine("Please enter a guess");

guess = int.Parse(Console.ReadLine());

if (number == guess)

{

Console.WriteLine("Well done you guessed it!!");

}

else if (guess > number)

{

Console.WriteLine("You guessed too high!");

}

else

{

Console.WriteLine("You guessed too low!");

}

Console.ReadLine();

}

}

}

**Programming Tasks**

For each of these programming tasks, create and test a program. For each:

* Add comments with a description of the task, your name and the date
* Copy the program to a Word document
* Paste a screen shot of the console as evidence that the program worked
* Check that you have your name, set and date in a header

**Task 1**

Write a program that allows the user to enter two numbers – Number 1 and Number 2. The program will tell the user which of the two numbers is Larger or whether they are both the same.

**Task 2**

Write a program that asks for a person’s age as an input and outputs one of the following messages depending upon their age:

1. If they are younger than 16 then it would output “Youngster”
2. If they are between 16 and 21 then it would output “Young Adult”
3. If they are between 22 and 45 then it would output “Adult”
4. If they were between 46 and 60 then it would output “Middle Aged”
5. If they are over 60 then it would output “Old”

**Task 3**

Write a program to take in two football scores. A home score and an away score. Using the two scores, output the appropriate message of:

Home Win (if the home score is larger than the away score)

Away Win (if the away score is larger than the home score)

Score Draw (if both teams drew with a Score)

No Score Draw (if neither team scored a goal)