Division for C# - A-Level Computer Science

**Divide an Integer by an Integer and get a Decimal:**

int Number;

int Number2;

double result;

Console.WriteLine("Enter a number");

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

Console.WriteLine("Enter a number");

Number2 = int.Parse(Console.ReadLine());

result = (double)Number / Number2;

Console.WriteLine("The result is: " + result);

//Note that to get a decimal result we need to cast the integer value by placing Double in brackets before Number

**Integer Division:**

int Number;

int Number2;

double result;

Console.WriteLine("Enter a number");

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

Console.WriteLine("Enter a number");

Number2 = int.Parse(Console.ReadLine());

result = Number / Number2;

Console.WriteLine("The result is: " + result);

//Integer revision gives the result of how many times one number goes into another number. E.g. 5 DIV 3 = 1 and 14 DIV 5 = 2

**Work out the Remainder of dividing one number by another**

int Number;

int Remainder;

Console.WriteLine("Enter a number");

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

Remainder = Number % 2;

Console.WriteLine("The remainder after dividing by 2 is: " + Remainder);

Console.ReadLine();

//The code takes in a number from the user as an Integer. It then works out the remainder of the number if it were divided by 2. If it has a remainder it is 1, if not it is 0