**Question 1**

1. Create a class called Bill with the following properties

Name : string

Amount: decimal

1. Create a ToString() method in this class. This method should return the properties Name and Amount

**Note**: *Only try and b below if you are clear on GetType and the base keyword. Skip if you are unsure and I will go through this in the solution*

* 1. Try adding the GetType() method to this method.
  2. Then try adding the Object.ToString() method using the base keyword.

1. Create a child class called Overdue Bill. This should have a property called Days which is the number of days the bill is overdue.

**Note**: *Don’t spend too much time on a below. As above I will go through it in the solution so move on if it is not making sense*

* 1. Try adding a DateTime object to the class which calculates the number of days the bill is overdue. Research needed on DateTime!

1. In your Program.cs file create an Bill object and an OverdueBill object. Call the ToString method of these objects explicitly and implicitly.

**Question 2**

1. Create a Book class with the following properties

ISBN: string

Title: string

Author: string

Price: decimal

1. Add a ToString method to this class which displays all properties.
2. Create a child class called TextBook. This will have an additional property

StudentYear: string

1. Override the ToString() method in this class to include StudentYear. Hint: Use the base keyword.
2. Create a second child class called CoffeeTableBook. This will not have any additional properties.
3. Override the accessor in the child class of TextBook so that the price can only be in the range 20-80
4. Override the accessor in the child class CoffeeTableBook so that the price can only be in the range 35-100.
5. In your program.cs file create a Book object and 3 TextBook and 3 CoffeeTable objects. Make sure you try to set the price above the valid range, below the valid range and within the valid range.
6. Add all objects to an Array of Books and iterate through this array displaying book information.