

1. Enter the following program and save, compile and run it. Add comments as appropriate.

```
import java.util.Scanner;

public class BankBalance
{
    public static void main(String [] args)
    {
        Scanner keyboardIn = new Scanner(System.in);
        double bankBalance = 0;

        System.out.print("Please enter your bank balance: ");
        bankBalance = keyboardIn.nextDouble();

        if(bankBalance > 0)
        {
            System.out.println("You are in credit");
        }
    } //end main method
} //end class
```

2. Write a program that asks a user to enter an exam mark and then determines whether the student has passed the exam. To pass the exam the student must have gained a mark of 40 or greater.
3. Write a program that will read a number from the user and will determine if the number is greater than 100. If the number is greater than 100 the program should display an appropriate message on screen.
4. Write a program that will read in the price of 3 different books from the user and will calculate and display the total amount owing. If the total price is greater than 50.00 a 10% discount will be given.
5. The price of a computer is 550 euro. If an order of 30 or more is placed the computers will cost 500 euro each. Write a program to ask the user how many computers they want to buy. The program should then calculate and display the total cost of the order.  
(*total cost = quantity \* price*)
6. Write a program that will ask the user to enter a number and will display a message to say whether it is an even number.

(Hint: An even number a remainder of 0 when divided by two)

### Extra Practice Question

Write a program that reads in a time in seconds and then prints the time out as hours, minutes and seconds.

Ensure that the program prints the time units correctly. (E.g 0 hours, 1 hour, 2 hours etc).