**Using if else structure**

1. Type the following program, compile and run it to understand what is does:

import java.util.\*;  
  
public class Age  
{  
  
 public static void main(String args[])  
 {  
  
 Scanner keyboardIn = new Scanner(System.in);  
  
 int age;  
  
 System.out.print("Enter your age: ");  
 age = keyboardIn.nextInt();  
  
 if (age < 12)  
 {  
 System.out.println("Admission is free");  
 }

else  
 {  
 System.out.println("Charge is €10");

}  
 }  
}

1. Write a program that asks a user to enter a temperature. If the temperature is less than 0 display message warning of freezing conditions, otherwise display a message to say road conditions are fine
2. Write a program that asks a user to enter an exam mark and then determines whether the student passed or failed the exam. To pass the exam the student must have gained 40 or greater
3. Write a program that requests a user to enter their account balance. If the balance is less than zero display a message stating the account is overdrawn otherwise display a message stating the account is in credit
4. Write a program to calculate the cost of buying pens depending on the quantity entered. If an order of 30 or more is placed the pens will cost 20 cents each otherwise the pens will cost 50 cents each

cost = quantity \* price