**Problem Statements**

1. Write a program to accept a coordinate point in a XY coordinate system and determine in which quadrant the coordinate point lies.

**Sample Input:**

Enter X coordinate value of point: -20

Enter Y coordinate value of point: -10

**Sample Output:**

The point lies in 3rd quadrant

**Hint:**

1st Quadrant if both x & y coordinates are positive  
 2nd Quadrant if x coordinates is negative & y coordinate is positive

3rd  Quadrant if both x & y coordinates are negative

4th Quadrant if x coordinates is positive & y coordinate is positive

1. Write a program to read temperature in centigrade and display a suitable message according to temperature state below:
   * Temp < 0 then Freezing weather
   * Temp 0-10 then Very Cold weather
   * Temp 10-20 then Cold weather
   * Temp 20-30 then Normal in Temp
   * Temp 30-40 then Its Hot
   * Temp >=40 then Its Very Hot
2. Write a program to reverse a 3-digit number.

**Sample Input:**

Enter a number: 139

**Sample Output:**

Reverse of 139 is 931 and 931 + 5 = 936

**Hint:**

Reverse the Unit, 10th & 100th locations of digit.

1. Write a program to check whether an entered character is lowercase ( a to z ) or uppercase ( A to Z )