**Assignment 3**

1. Write a C program to read the value of an integer m and display the value of n is 1 when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.

Test Data : -5  
Expected Output :  
The value of n = -1

2. Write a C program to find the largest of three numbers.

Test Data : 12 25 52  
Expected Output :  
1st Number = 12,        2nd Number = 25,        3rd Number = 52  
The 3rd Number is the greatest among three

3. Write a C program to read roll no, name and marks of three subjects and calculate the total, percentage and division.

Test Data :  
Input the Roll Number of the student :784  
Input the Name of the Student :James  
Input the marks of Physics, Chemistry and Computer Application : 70 80 90  
Expected Output :  
Roll No : 784  
Name of Student : James  
Marks in Physics : 70  
Marks in Chemistry : 80  
Marks in Computer Application : 90  
Total Marks = 240  
Percentage = 80.00  
Division = First

4. Write a C 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

Test Data :  
42  
Expected Output :  
Its very hot.

5. Write a C program to check whether an alphabet is a vowel or consonant.

Test Data :  
k  
Expected Output :  
The alphabet is a consonant.