

ASSIGNMENT-I

(Conditional Statement)

1. Write a Python program to check whether a given number is even or odd
2. Write a Python program to check whether a given number is positive or negative
3. Write a Python program to find whether a given year is a leap year or not
4. Write a Python program to find the largest of three numbers.
5. Write a Python program to find the eligibility of admission for a professional course based on the following criteria
Eligibility Criteria : Marks in Maths ≥ 65 and Marks in Phy ≥ 55 and Marks in Chem ≥ 50 and Total in all three subject ≥ 190 or Total in Maths and Physics ≥ 140 ----- Input the marks obtained in Physics :65 Input the marks obtained in Chemistry :51 Input the marks obtained in Mathematics :72 Total marks of Maths, Physics and Chemistry : 188 Total marks of Maths and Physics : 137 The candidate is not eligible.
Expected Output :
The candidate is not eligible for admission
6. Write a Python 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
7. Write a Python 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.
8. Write a Python program to calculate profit and loss on a transaction.
Test Data :
500 700
Expected Output :
You can booked your profit amount : 200