**Python Tasks – Day9**

1. **Write a Python program to check whether a number is negative, positive or zero.**
2. **Write a Python program to check whether a number is divisible by 5 and 11 or not.**
3. **Write a Python program to check whether a year is leap year or not.**
4. **Write a Python program to check whether a character is alphabet or not.**
5. **Write a Python program to input any alphabet and check whether it is vowel or consonant.**
6. **Write a Python program to input any character and check whether it is alphabet, digit or special character.**
7. **Write a Python program to check whether a character is uppercase or lowercase alphabet.**
8. **Write a Python program to input week number and print weekday.**
9. **Write a Python program to count number of notes for each note in given amount.**
10. **Write a Python program to input angles of a triangle and check whether triangle is valid or not.**
11. **Write a Python program to input all sides of a triangle and check whether triangle is valid or not.**
12. **Write a Python program to check whether the triangle is equilateral, isosceles or scalene triangle.**
13. **Write a Python program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:**

**Percentage >= 90% : Grade A**

**Percentage >= 80% : Grade B**

**Percentage >= 70% : Grade C**

**Percentage >= 60% : Grade D**

**Percentage >= 40% : Grade E**

**Percentage < 40% : Grade F**

1. **Write a Python program to input basic salary of an employee and calculate its Gross salary according to following:**

**Basic Salary <= 10000 : HRA = 20%, DA = 80%**

**Basic Salary <= 20000 : HRA = 25%, DA = 90%**

**Basic Salary > 20000 : HRA = 30%, DA = 95%**

1. **Write a Python Program to input electricity unit charges and calculate total electricity bill according to the given condition:**

**For first 50 units Rs. 0.50/unit  
For next 100 units Rs. 0.75/unit  
For next 100 units Rs. 1.20/unit  
For unit above 250 Rs. 1.50/unit  
An additional surcharge of 20% is added to the bill**