

Assignment No. -2

Instructions: Make a Python Notebook and solve the below given questions.

Submit your Python notebook as assign-2."your name" by Sunday, 23-05-2021

1. Write a PYTHON program to evaluate the student performance

If % is ≥ 90 then Excellent performance

If % is ≥ 80 then Very Good performance

If % is ≥ 70 then Good performance

If % is ≥ 60 then average performance

else Poor performance.

2. Write a PYTHON program to check a year for leap year.

3. A company insures its drivers in the following cases:

- If the driver is married.
- If the driver is unmarried, male and above 30 years of age.
- If the driver is unmarried, female and above 25 years of age.

4. A company decided to give bonus of 5% to employee if his/her year of service is more than 5 years. Ask user for their salary and year of service and print the net bonus amount.

5. Program that accepts a string and calculate the number of digits and letters.

6. program to check a triangle is equilateral, isosceles or scalene.

Note :

An equilateral triangle is a triangle in which all three sides are equal.

A scalene triangle is a triangle that has three unequal sides.

An isosceles triangle is a triangle with (at least) two equal sides.

7. program to calculate the electricity bill (accept number of unit from user) according to the following criteria :

Unit	Price
First 100 units	no charge
Next 100 units	Rs 5 per unit
After 200 units	Rs 10 per unit

8. Program to accept the cost price of a bike and display the road tax to be paid according to the following criteria :

Cost price (in Rs)	Tax
> 100000	15 %
> 50000 and <= 100000	10%
<= 50000	5%