1 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.

2 Take values of length and breadth of a rectangle from user and check if it is square or not.

3 Take two int values from user and print greatest among them.

4 A shop will give discount of 10% if the cost of purchased quantity is more than 1000.

Ask user for quantity

Suppose, one unit will cost 100.

Judge and print total cost for user.

5 A school has following rules for grading system:

a. Below 25 - F

b. 25 to 45 - E

c. 45 to 50 - D

d. 50 to 60 - C

e. 60 to 80 - B

f. Above 80 - A

Ask user to enter marks and print the corresponding grade.

6

7 Write a program to print absolute value of a number entered by user. E.g.-

INPUT: 1        OUTPUT: 1

INPUT: -1        OUTPUT: 1

8 A student will not be allowed to sit in exam if his/her attendance is less than 75%.

Take following input from user

Number of classes held - 7856

Number of classes attended. - 856 80%

And print

percentage of class attended

Is student is allowed to sit in exam or not.

9 Write a program to calculate the electricity bill (accept number of unit from user) according to the following criteria:

Unit Price First 100 units 3.5 Rs per unit

Next 100 units Rs 5 per unit

After 200 units Rs 10 per unit

After 300 that 15rs per unit

1000< meter charge= costing 10%

tax = costing 9%

1000> meter charge= costing 20%

tax = costing 18%

10 Write a 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%

11 Write a Python program to check a triangle is .

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.

12 Write a Python program to find the median of three values.

Expected Output:

Input first number: 15

Input second number: 26

Input third number: 29

The median is 26.0

13 Write a Python program to get next day of a given date.

Expected Output:

Input a year: 2016 Input a month [1-12]: 08 Input a day [1-31]: 23 The next date is [yyyy-mm-dd] 2016-8-24

year=2022

month = 12

day=12

13-12-2022

year=2022

month = 2

day=28

01-3-2022

year=2022

month = 12

day=31

01-1-2023