

Name: _____ Class & Sec: _____ Roll No. _____ Date: __.12.2020

Lesson 9: Introduction to Python

(Practice Questions:)

Q. 1. Write a program to find the area of a circle by getting radius from the user.

Ans. `PI = 3.14`
`r = float(input("Enter the radius of the circle :"))`
`area = PI * r * R`
`print("Area of the circle is : %.2f" %area)`

Q. 2. Write a program for multiplying two numbers by getting the values from the user.

Ans. `num1=int(input("Enter the first number: "))`
`num2=int(input("Enter the second number: "))`
`mul=num1*num2;`
`print("the product of given numbers is: ",mul)`

Q. 3. Write a program to calculate 10% discount on a given amount.

Ans. `amt = int(input("Enter Sale Amount: "))`
`if amt >= 5000:`
`disc = amt * 0.10`
`print("Discount : ",disc)`
`print("Net Pay : ",amt-disc)`
`else:`
`print("Invalid Amount")`

Q. 4. Write a program to generate report card of the student, calculate total marks and percentage of the student.

Ans. `sub1=int(input("Enter marks of Eng "))`
`sub2=int(input("Enter marks of Math: "))`
`sub3=int(input("Enter marks of sci "))`
`sub4=int(input("Enter marks of sst: "))`
`sub5=int(input("Enter marks of pbi: "))`
`total=(sub1+sub2+sub3+sub4+sub4)`
`print("total is=", total)`
`avg=(sub1+sub2+sub3+sub4+sub4)/5`
`print("percent is=", avg)`

Q. 5. Write a program to find the perimeter of a rectangle by getting length and breadth from the user.

Ans. `length = float(input("Please Enter the Length of a Triangle: "))`
`width = float(input("Please Enter the Width of a Triangle: "))`
`perimeter = 2 * (length + width)`
`print("Perimeter of a Rectangle using", length, "and", width, "=", perimeter)`

Q. 6. Write a program to exchange values of two variables.

Ans. `x = 5`
`y = 10`
`x, y = y, x`
`print("x =", x)`
`print("y =", y)`