

Que:-1 Ask the user to enter a number. Print out the Square of the number. Sample output is shown below.

In [4]: `import math`

In [15]: `x = int(input("Enter a Number:- "))  
num = math.sqrt(x)  
print(f"The Square of 25 is", num)`

The Square of 25 is 5.0

Que:- 2 Ask the user to enter a number x. print out x, 2x, 3x, 4x, and 5x, each separated by three dashes.

In [17]: `x = int(input("Enter a Number:- "))  
print(f"{x}---{2*x}---{3*x}---{4*x}---{5*x}")`

7---14---21---28---35

Que:- 3 Write a program that asks the user for a weight in kilograms and converts it to pounds.

In [22]: `weight_kg = eval(input("Enter Weight in Kilogram(Kg):- "))  
pound = round(weight_kg*2.2,2)  
print(f"Weight Converts kilogram into pounds :- ",pound)`

Weight Converts kilogram into pounds :- 149.6

Que:- 4 Write a program that asks the user to enter three numbers (use three separate input statements). Create variables called total and average that hold the sum and average of the three numbers and print out the values of total and average

In [25]: `var1= eval(input("Enter number 1:-"))  
var2= eval(input("Enter number 2:-"))  
var3= eval(input("Enter number 3:-"))  
  
total = var1 + var2 + var3  
average = (var1 + var2 + var3)/3  
print(f"The total sum of three number is",total)  
print(f"The total average of three number is",average)`

The total sum of three number is 117

The total average of three number is 39.0

Que:- 5 A lot of cell phones have tip calculators. Write one. Ask the user for the price of the meal and the percent tip they want to leave. Then print both the tip amount and the total bill with the tip included.

In [29]: `bill_amount = eval(input("How much was the bill of meal?:- "))  
tip_percent = eval(input("Enter the Tip percentage"))  
tip_amount = bill_amount*tip_percent/100  
total_bill = bill_amount+tip_amount  
print(f"The Total bill is:- ",total_bill)`

The Total bill is:- 1100.0

In [ ]: Que:- 6 wap ask the user enter the 2 numbers find the subtraction, addition, mult

```
In [36]: x = eval(input("Enter Number 1:- "))
y = eval(input("Enter Number 2:- "))

addition = x+y
subtraction = x-y
multiplication = x*y
division = round(x/y,3)

print(f"Addition of Two numbers is:-", addition)
print(f"subtraction of Two numbers is:-", subtraction)
print(f"multiplication of Two numbers is:-", multiplication)
print(f"division of Two numbers is:-", division)
```

Addition of Two numbers is:- 88  
 subtraction of Two numbers is:- 10  
 multiplication of Two numbers is:- 1911  
 division of Two numbers is:- 1.256

Que:- 7 wap ask the user enter radius values and pi value find the area of the circle

```
In [44]: import math
r = eval(input("Enter the value of radius:- "))
area = round(math.pi*math.sqrt(r),2)
print(f"The area of a circle is:- ", area)
```

The area of a circle is:- 19.62

Que:- 8 wap ask the user bill amount in dollars, ask the user enter how much indian rupees for one dollar print the bill amount in rupees

```
In [45]: dollar = eval(input("How Much Bill amount in dollars:- "))
rupees = eval(input("How Much Indian rupees for 1 dollar:- "))
bill_amount = dollar*rupees
print(f"The bill amount in Rupees is:-", bill_amount)
```

The bill amount in Rupees is:- 2815.68

In [ ]: Que 9:- wap ask the user enter base height calculate area of the triangle

```
In [46]: base = eval(input("Enter base value:-"))
height = eval(input("Enter height value:-"))
area = (1/2)*base*height
print(f"Area of a triangle is:- ", area)
```

Area of a triangle is:- 918.0

Que:- 10. wap ask the user enter length and breadth calculate area of the rectangle

```
In [48]: length = eval(input("Enter length value:-"))
breadth = eval(input("Enter breadth value:-"))
area = length*breadth
print(f"Area of a rectangel is:- ", area)
```

Area of a rectangel is:- 4368

Que:- 11. Let's create a story between Father and daughter , You need to create a story by using print and input keywords

You need to develop a python code same like below steps The goal of this code is to understand python is step by step process

```
In [54]: input("Father: Hey Baby!")
input("Daughter: Hello Dady")
input("Father: I heard your exams are over, what about result")
input("Daughter: Yes dad! Results are out.")
input("Father: what is the percentage?")
input("Daughter: I will give my subject wise marks , you tell me the percentage")
input("Father : Okay!")
Marathi = eval(input("Marathi marks Enter:"))
Hindi = eval(input("Hindi marks Enter:"))
Eng = eval(input("English marks Enter:"))
Maths = eval(input("Maths marks Enter:"))
Soc_sci= eval(input("Soc-sci marks Enter:"))
Science= eval(input("Science marks Enter:"))
Average = (Marathi +Hindi+Eng+Maths+Soc_sci+Science)/6
percentage_you_got= (f"You Got", Average,"%")

print(percentage_you_got)
```

('You Got', 79.66666666666667, '%')

In [ ]: