**Que 1: Ask the user to enter a number. Print out the square of the number**

In [7]:
```
n1=int(input('Please Enter A Number')) #Asking user to input a number and
sq=n1*n1 #squaring the number
print(f'The square of {n1} is {sq}.') #printing the desired output
```

```
The square of 5 is 25.
```

In [ ]:

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

In [10]:
```
n1=int(input('Please Enter A Number'))   #Asking user to input a number a
print(n1,2*n1,3*n1,4*n1,5*n1,sep='---') #printing the desired number sepa
```

```
5---10---15---20---25
```

In [ ]:

**Que 3: Write a program that asks the user for a weight in kilograms and converts it to pounds. There are 2.2 pounds in a kilogram.**

In [28]:
```
wt_kg =int(input('Please help me your weight in Kilograms')) #asking user
wt_pd = round(2.2 * wt_kg,2) #convering weight kgs to lbs
print(f'As your weight in kgs is : {wt_kg} kilograms') #printing the weig
print(f'Your weight in pounds is : {wt_pd} pounds (lbs)') #printing the w
```

```
As your weight in kgs is : 68 kilograms
Your weight in pounds is : 149.6 pounds (lbs)
```

In [ ]:

**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 [35]:
```
n1=int(input('Please Enter First Number')) #Asking user to input first nu
n2=int(input('Please Enter Second Number')) #Asking user to input second
n3=int(input('Please Enter Third Number')) #Asking user to input third nu
total= n1+n2+n3  #doing sum of numbers
average = round(total/3,2)  #calculating the average of numbers and used
print(f'The total of the numbers is: {total}')  #printing the sum of numb
print(f'The average of the numbers is: {average}') #printing the average
```

```
The total of the numbers is: 13
The average of the numbers is: 4.33
```

In [ ]:

**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 [45]:
```
meal_price = eval(input('What is the price of meal?')) #asking for the bi
tip = eval(input('What is the tip percent?')) #asking for the tip percent
tip_amount = round((meal_price*tip)/100,2)  #calculating the tip amount
total_bill = round((meal_price + tip_amount),2) #calculating the total bi
print(f'The tip amount for this bill is {tip_amount} rupees') #printing t
print(f'Your total bill including tip is : {total_bill} rupees') #printin
```

```
The tip amount for this bill is 41.55 rupees
Your total bill including tip is : 1278.11 rupees
```

In [ ]:

**Que 6: wap ask the user enter the 2 numbers find the subtraction,addition, multiplication and division**

In [52]:
```
n1= eval(input('Please enter the first number')) #asking user for the fir
n2 = eval(input('Please enter the second number except 0 in case of divis
print(f'The addition of the numbers is : {n1+n2}') #printing sum
print(f'The subtraction of numbers is : {n1-n2}') #printing subtraction
print(f'The multiplication of numbers is : {n1*n2}') #printing multiplica
print(f'The division of numbers is : {n1/n2}') #printing division
```

```
The addition of the numbers is : 9.331
The subtraction of numbers is : -2.2209999999999996
The multiplication of numbers is : 20.53368
The division of numbers is : 0.6154778393351801
```

In [ ]:

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

In [55]:
```
rad= eval(input('Please help with the radius of the circle')) #asking use
pi=eval(input('Please help with the pi value')) #asking user for the valu
area = round((pi*rad*rad),2) #calculating the area of the circle and limi
print(f'The area of the circle which has radius of {rad} will be {area}')
```

```
The area of the circle which has radius of 5.77 will be 104.54
```

In [ ]:

**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 [64]:
```
bill_usd = eval(input('What is the bill amount in USD?'))  #asking the bi
conv_rate = eval(input('What is the coversion rate for USD to INR?'))  #a
bill_INR = round(bill_usd*conv_rate,2) #converting USD to INR
print(f'Dear Customer, your bill in USD is {bill_usd} and in Indian Rupee
```

```
Dear Customer, your bill in USD is 54.89 and in Indian Rupees it is 4719.6
6 as today we have conversion rate of 85.984 rupees for 1 USD
```

In [ ]:

**Que 9: wap ask the user enter base height calculate area of the triangle**

In [71]:
```
base= eval(input('Please enter the base of the triangle in meters')) #ask
hight=eval(input('Please enter the hight of the trianlgle in meters')) #a
```

```
area = round((0.5*base*hight),2) #calculating the are of the triangle usi
print(f'The area of the triangle which has hight of {hight} meters and ba
```

```
The area of the triangle which has hight of 6.57 meters and base of 7.99 m
eters will be 26.25 sq. meter
```

In [ ]:

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

In [78]:
```
len= eval(input('Please enter the length of the rectangle in meters')) #a
brd=eval(input('Please enter the bredth of the rectangle in meters')) #as
area = round((len*brd),2) #calculating the are of the rectangle using the
print(f'The area of the rectangle which has length of {len} meters and br
```

```
The area of the rectangle which has length of 5.43 meters and bredth of 7.
63 meters will be 41.43 sq. meter
```

In [ ]:

**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**

- Step-1: input(" Father: Hey Baby!")
- Step-2: input("Daughter: Hello Dady")
- Step-3: input("Father: I heard your exams are over, what about result")
- Step-4: input("Daughter: Yes dad! Results are out.")
- Step-5: input("Father: what is the percentage?")
- Step-6: input("Daughter: I will give my subject wise marks , you tell me the

percentage")

- Step-7: input("Father : Okay!)
- Step-8: sub1=eval(input("First Language:"))
- Step-9: sub2=eval(input("Second language:"))
- Step-10: sub3=eval(input("Third language:"))
- Step-11: sub4=eval(input("Science:"))
- Step-12: sub5=eval(input("Maths:"))
- Step-13: Daughter: Dad Now tell me how much percentage I got
- Step-14: Father: Tell me the max marks of each subject
- Step-15: max_marks=eval(input("Daughter:")) give=100
- Step-16: calculate the percentage of marks and print it

In [81]:
```
print('Father: Hey Baby!')
print('Daughter: Hello Dady!')
print('Father: I heard your exams are over, what about the results!')
print('Daughter: Yes Dad! Results are out.')
print('Father: Whatis the percentage?')
print('Daughter: I will give my subject wise marks, you tell me the perce
print("Father: okay!") #Started the conversation
```

```
sub1=eval(input('First Language:'))
sub2=eval(input('Second Language:'))
sub3=eval(input('Third Language:'))
sub4=eval(input('Science:'))
sub5=eval(input('Maths:')) #asked the number from each subject
total_scored = round(sub1+sub2+sub3+sub4+sub5,2) #total the marks obtaine
print('Daughter: Dad! Now tell me how much percentage I got?')
print('Father: Tell me the maximum marks of each subject') #further conve
max_mark = eval(input('Daughter: Maximum marks for each subject is same w
percentage = (total_scored*100)/(5*max_mark) #calculated the percentage o
print(f'Hey Baby! You scored total {total_scored} marks out of {5*max_mar
```

```
Father: Hey Baby!
Daughter: Hello Dady!
Father: I heard your exams are over, what about the results!
Daughter: Yes Dad! Results are out.
Father: Whatis the percentage?
Daughter: I will give my subject wise marks, you tell me the percentage.
Father: okay!
Daughter: Dad! Now tell me how much percentage I got?
Father: Tell me the maximum marks of each subject
Hey Baby! You scored total 425 marks out of 500 which means you scored 85.
0% marks in your exam
```