In [11]:
```python
#1.Ask the user to enter a number. Print out the square of the number,
#Sample output is shown below.

num=eval(input('Enter a number to find square root of the number: '))
sqr_rt = (num*num)
sqr_rt
#print(f'The Sqare root of the entered numer is {sqr_rt}')
```

```
Enter a number to find square root of the number: 9
```

Out[11]: 81

In [29]:
```python
# Ask the user to enter a number x. print out x, 2x, 3x, 4x, and 5x, each sepa
# Enter a number:  7---14---21---28---35
x=eval(input('Enter a number x in order to find x, 2x, 3x, 4x, and 5x of each
print(f'{x}',end='---')
print(f'{2*x}',end='---')
print(f'{3*x}',end='---')
print(f'{4*x}',end='---')
print(f'{5*x}',end=' ')
#print(f'{x},{2*x},{3*x},{4*x},{5*x}',sep='---')
```

```
Enter a number x in order to find x, 2x, 3x, 4x, and 5x of each number: 8
8---16---24---32---40
```

In [34]:
```python
#Write a program that asks the user for a weight in kilograms and converts it
kg = eval(input("Enter the weight in Kilograms"))
pound = (kg*2.20462262)
print(f'The weight in Pounds is {pound}')
```

```
Enter the weight in Kilograms60
The weight in Pounds is 132.27735719999998
```

In [37]:
```python
# Write a program that asks the user to enter three numbers (use three separat
# Create variables called total and average that hold the sum and average of t
# the values of total and average.
n1=eval(input('Enter the First number:'))
n2=eval(input('Enter the Second number:'))
n3=eval(input('Enter the Third number:'))
sum = (n1+n2+n3)
avg = sum/3
print(f'the total of first number {n1}, second number {n2} and third number {n
```

```
Enter the First number:1
Enter the Second number:2
Enter the Third number:3
the total of first number 1, second number 2 and third number 3 is 6 and the
average is 2.0
```

In [46]:
```python
# A lot of cell phones have tip calculators.
# Write one Ask the user for the price of the meal and the percent tip they wa
# Then print both the tip amount and the total bill with the tip included

price_meal=eval(input('Enter the Price of the meal: '))
tip_percent = eval(input('Enter the tip for the meal: '))
tip= (price_meal/100)*tip_percent
total_meal_price=price_meal+tip
print(f"The tip percentage given is {tip} and the total price of the meal incl
```

```
Enter the Price of the meal: 750
Enter the tip for the meal: 3
The tip percentage given is 22.5 and the total price of the meal including th
e tip is 772.5
```

In [55]:
```python
#Story between Father and Daughter

print('Father: Hey Baby!')
print('Daughter: Hello Daddy')
print('Father: I heard your exams are over, what about result')
print('Daughter: Yes dad! Results are out.')
print('Father: what is the percentage?')
print('Daughter: I will give my subject wise marks , you tell me the percentag
print('Father : Okay!')
m1=eval(input('First Language:'))
m2=eval(input('Second language:'))
m3=eval(input('Third language:'))
m4=eval(input('Maths:'))
m5=eval(input('Science:'))
print('Daughter: Dad Now tell me how much percentage I got')
max1=eval(input('Father: Tell me the max marks of each subject: '))
#print('calculate the percentage of marks and print it')
sum1=(m1+m2+m3+m4+m5)/5
percent=(sum1/max1)*100
print(f'Father : The percentage of the total marks is {percent}')
```

```
Father: Hey Baby!
Daughter: Hello Daddy
Father: I heard your exams are over, what about result
Daughter: Yes dad! Results are out.
Father: what is the percentage?
Daughter: I will give my subject wise marks , you tell me the percentage
Father : Okay!
First Language:80
Second language:90
Third language:90
Maths:85
Science:90
Daughter: Dad Now tell me how much percentage I got
Father: Tell me the max marks of each subject: 100
Father : The percentage of the total marks is 87.0
```

In [ ]: