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Run Code

In [7]:
```
# Q.1 Write a python program to calculate the length of a string?

# user inputs the string and it gets stored in variable str

str = input ("Enter a string: ")

# counter variable to count the caracter in a string

counter = 0
for s in str:
    counter = counter + 1
print("Length of the input string is: ",counter)
```

```
Enter a string: Anaconda
Length of the input string is:  8
```

In [8]:
```
# Q.2 Write Python program to calculate the square root.

# direct square root using import math

import math

num = float(input ("Enter a no.: "))

print("The square root of the no. is: ", math.sqrt(num))
```

```
Enter a no.: 16
The square root of the no. is:  4.0
```

In [10]:
```
# Python program to calculate the square root of a number

num2 = float(input("Enter a no.: "))

num_sqrt = num2**0.5

print("The square root of the no. is: ", num_sqrt)
```

```
Enter a no.: 36
The square root of the no. is:  6.0
```

In [12]:
```
# Q.3 Write a Python program to convert temperature in celcius to temperature in fahrenheit.

# taking input from user
cel = float(input("Enter temperature in celsius: "))

# convert celsius into fahrenheit

far = (cel*1.8)+32

print(f'{cel} degree celsius is equal to {far} degree fahrenheit' )
```

```
Enter temperature in celsius: 37.5
37.5 degree celsius is equal to 99.5 degree fahrenheit
```

In [13]:
```
# Write a data type needed for a given data (10, 4.5, 2+6j)?

num1 = 10
print (num1, "is of type", type(num1))

num2 = 4.5
print (num2, "is of type", type(num2))

num3 = 2+6j
print (num3, "is of type", type(num3))
```

```
10 is of type <class 'int'>
4.5 is of type <class 'float'>
(2+6j) is of type <class 'complex'>
```