```
In [40]:  1  #1. Using Exponentiation
```

```
In [41]:  1  num = 64 # Here the number is pre-defined
          2  sr = num**(1/2)
          3  # sr is variable where the result of square root calculation is stored
          4  # ** double astrick is used for exponential, here the power is 1/2 also insted of 1/2 we can i
          5  print("Square Root of given number is", sr) # This line prints out the calculated square root
```

Square Root of given number is 8.0

```
In [42]:  1  # Integer Number
```

```
In [43]:  1  num1 = int(input("Enter the Number: ")) #The input() function takes the input as a integer, a
          2  sr = num1**(1/2)
          3  print("Square Root of given number is", sr) # This line prints out the calculated square root
```

Enter the Number: 49
Square Root of given number is 7.0

```
In [44]:  1  # Floating Number
```

```
In [45]:  1  num2 = float(input("Enter the Number: ")) # The input() function takes the input as a string,
          2  sr = num2**(1/2)
          3  print("Square Root of given number is", sr) # This line prints out the calculated square root
```

Enter the Number: 11.777
Square Root of given number is 3.4317633951075357

```
In [46]:  1  #2. Using Math Module
```

```
In [47]:  1  import math # This line imports the math module, which provides mathematical functions and col
          2  num = int(input("Enter the number: ")) #The input() function takes the input as a integer, an
          3  sr = math.sqrt(num) #This line calculates the square root of the entered number using the matl
          4  print("Square root of given number is", sr) #This line prints out the calculated square root.
```

Enter the number: 81
Square root of given number is 9.0

```
In [48]:  1  import math # This line imports the math module, which provides mathematical functions and col
          2  num = float(input("Enter the number: ")) #The input() function takes the input as a string, ai
          3  sr = math.sqrt(num) #This line calculates the square root of the entered number using the matl
          4  print("Square root of given number is", sr) #This line prints out the calculated square root.
```

Enter the number: 99.11
Square root of given number is 9.955400544428135

```
In [ ]:  1
```