1. Ask the user to enter a number and print out the square of the number.

Sample output is shown below

Input: Enter a number: 5

Output:The square of 5 is 25.

In [ ]:
```
import math

user_input = eval(input("Enter a number : "))
square_value = round(math.pow(user_input, 2))

print(f"The square of {user_input} is {square_value}")
```

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

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

Input: Enter a number: 7

Output: 7---14---21---28---35

In [ ]:
```
user_input = eval(input("Enter a number : "))

x1 = user_input;
x2 = user_input * 2;
x3 = user_input * 3;
x4 = user_input * 4;
x5 = user_input * 5;

print(f"{x1}---{x2}---{x3}---{x4}---{x5}")
```

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

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 [ ]:
```
user_input = eval(input("Enter the weight : "))
weight_pound = round(2.2 * user_input, 2)

print(f"{user_input} Kilo is {weight_pound} pound")
```

```
1.5 Kilo is 3.3 pound
```

4. Write a program to find the average of 3 input numbers

In [ ]:
```
num1 = eval(input("Enter the 1st number : "))
num2 = eval(input("Enter the 2nd number : "))
num3 = eval(input("Enter the 3rd number : "))

avg = round((num1 + num2 + num3) / 3, 2)

print(f"The average of {num1} & {num2} & {num3} is {avg}")
```

```
The average of 10 & 12 & 25 is 15.67
```

5. 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 [ ]:
```
bill_amount = eval(input("Enter Bill Amount : "))
tip_percentage = eval(input("Tip % : "))

tipAmount = (bill_amount * tip_percentage) / 100
totalBill = bill_amount + tipAmount

print(f"Bill Amount is {bill_amount} and tip % is {tip_percentage}, total amount you need to pay : {round(totalBill, 2)}")
```

```
Bill Amount is 2000 and tip % is 2, total amount you need to pay : 2040.0
```

6. Create a story by using print and input keywords, You need to develop a python code same like below steps.

- Step-1: Father: Hey Baby!
- Step-2: Daughter: Hello Dady
- Step-3: Father: I heard your exams are over, what about result
- Step-4: Daughter: Yes dad! Results are out
- Step-5: Father: what is the percentage?
- Step-6: Daughter: I will give my subject wise marks , you tell me the percentage
- Step-7: Father : Okay!
- Step-8: First Language: 80
- Step-9: Second language: 90
- Step-10: Third language:90
- Step-11: Maths:85
- Step-12: Science: 80
- 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: Daughter: its 100
- Step-16: calculate the percentage of marks and print it

In [ ]:
```
print("Father: Hey Baby!")
print("Daughter: Hello Dady")
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 percentage")
print("Father : Okay!")

mark_first_language = eval(input("First Language : "))
print(f"First Language : {mark_first_language}")

mark_second_language = eval(input("Second Language : "))
print(f"Second Language : {mark_second_language}")

mark_third_language = eval(input("Third Language : "))
print(f"Third Language : {mark_third_language}")

mark_math = eval(input("Math : "))
print(f"Math : {mark_math}")

mark_science = eval(input("Science : "))
print(f"Science : {mark_science}")

print("Daughter: Dad Now tell me how much percentage I got")
print("Father: Tell me the max marks of each subject")

mark_max_each_sub = eval(input("Tell me the max marks of each subject"))
print(f"Daughter: its {mark_max_each_sub}")

print(f"First Language % : {round((mark_first_language / mark_max_each_sub) * mark_max_each_sub, 2)}")
print(f"Second Language % : {round((mark_second_language / mark_max_each_sub) * mark_max_each_sub, 2)}")
print(f"Third Language % : {round((mark_third_language / mark_max_each_sub) * mark_max_each_sub, 2)}")
print(f"Math % : {round((mark_math / mark_max_each_sub) * mark_max_each_sub, 2)}")
print(f"Science % : {round((mark_science / mark_max_each_sub) * mark_max_each_sub, 2)}")
```

```
Father: Hey Baby!
Daughter: Hello Dady
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
Math : 85
Science : 80
Daughter: Dad Now tell me how much percentage I got
Father: Tell me the max marks of each subject
Daughter: its 100
First Language % : 80.0
Second Language % : 90.0
Third Language % : 90.0
Math % : 85.0
Science % : 80.0
```