

1. Simple Message: Store a message in a variable, and then print that message.

```
In [2]: simpleMsg='Positivity=Possibility'
        print(simpleMsg)
```

```
Positivity=Possibility
```

2. Store a message in a variable and print that message. Then change the value of your variable to a new message and print the new message. ¶

```
In [4]: varMsg='Stop Dreaming about success wake up and work'
        print(varMsg)
        varMsg='Self Education is the greatest and best thing you could ever make'
        print(varMsg)
```

```
Stop Dreaming about success wake up and work
```

```
Self Education is the greatest and best thing you could ever make
```

3. Store a person's name in a variable and print a message to that person. Your message should be simple, such as, "Hello Eric, would you like to learn some Python today?"

```
In [14]: varPersonName="Rahul"
        print('Hello',varPersonName,',','would you like to learn some Python today?')
```

```
Hello Rahul , would you like to learn some Python today?
```

4. Find a quote from a famous person you admire. Print the quote and the name of its author. Your output should look something like the following, including the quotation marks: Albert Einstein once said, "A person who never made a mistake never tried anything new."

```
In [18]: famousPerson='Albert Einstein'
        varMsg='once said,'
        famousPersonQuote='"A person who never made a mistake never tried anything ne
w."'
        print(famousPerson,varMsg,famousPersonQuote)
```

```
Albert Einstein once said, "A person who never made a mistake never tried any
thing new."
```

5. Repeat Exercise 4, but this time store the famous person's name in a variable called famous_person. Then compose your message and store it in a new variable called message. Print your message.

```
In [19]: famous_Person='Albert Einstein'
varMsg='once said,'
famousPersonQuote='“A person who never made a mistake never tried anything new.”'
print(famous_Person,varMsg,famousPersonQuote)
```

Albert Einstein once said, “A person who never made a mistake never tried anything new.”

6. Write addition, subtraction, multiplication, and division operations that each result in the number 8. Be sure to enclose your operations in print statements to see the results. You should create four lines that look like this: print (5 + 3)

Your output should simply be four lines with the number 8 appearing once on each line.

```
In [21]: print('number',(5+3))
print('number',(5-3))
print('number',(5*3))
print('number',(5/3))
```

number 8
number 2
number 15
number 1.6666666666666667

7. Store your favourite number in a variable. Then, using that variable, create a message that reveals your favourite number. Print that message.

```
In [24]: favouriteNumber=3
print('Your favourite number is',favouriteNumber)
```

Your favourite number is 3

8. Choose two of the programs you've written and add at least one comment to each. If you don't have anything specific to write because your programs are too simple at this point, just add your name and the current date at the top of each program file. Then write one sentence describing what the program does.

```
In [32]: favouriteNumber=3
print('Your favourite number is',favouriteNumber) #just print the favourite number 09 may 2020
```

Your favourite number is 3

9. Store the names of a few of your friends in a list called names. Print each person's name by accessing each element in the list, one at a time.

```
In [28]: names=['Ram','Shayam','Ghanshyam']
for name in range(len(names)):
    print(names[name])
```

Ram
Shayam
Ghanshyam

10. Start with the list you used in Exercise 9, but instead of just printing each person's name, print a message to them. The text of each message should be the same, but each message should be personalized with the person's name.

```
In [29]: names=['Ram','Shayam','Ghanshyam']
for name in range(len(names)):
    print("Hello",names[name],',',' ','How are you doing?')
```

Hello Ram , How are you doing?
Hello Shayam , How are you doing?
Hello Ghanshyam , How are you doing?

11. Think of your favourite mode of transportation, such as a motorcycle or a car, and make a list that stores several examples. Use your list to print a series of statements about these items, such as "I would like to own a Honda motorcycle."

```
In [30]: favouriteModes=['motorcycle','Car','Cycle']  
         for mode in range(len(favouriteModes)):  
             print("I would like to own a Honda",favouriteModes[mode])
```

I would like to own a Honda motorcycle

I would like to own a Honda Car

I would like to own a Honda Cycle