## Assignment  based on tuple

```
C:\Users\ACER\PycharmProjects\pythonProject4\venv\Scripts\python.exe C:\Users\ACER\PycharmProjects\pythonProject4\main.py
a tuple with single item 50 : 50
create a tuple 4 integer: (5, 10, 15, 20)
unpack into 4 variable: 50
a tuple store and modify: ('banana', 'mango', 'apple', 'cherry')
ascending order: ['apple', 'banana', 'grape', 'kiwi', 'mango', 'orange']
Number of occurrences: 4
the second-to-last student's name: David
('banana', 'mango', 'kivi', 'cherry', 'ram', 'sham', 'karan', 'sagar')

Process finished with exit code 0
```

## Assignment based on set

```
C:\Users\ACER\PycharmProjects\pythonProject5\venv\Scripts\python.exe C:\Users\ACER\PycharmProjects\pythonProject5\main.py
a new set identical items from below two set: {2, 4}
remove duplicates: {70, 40, 10, 80, 50, 20, 60, 30}
exist only in the first set and not in second set: {10, 30}
Name of 1st Fruit:  apple
Name of 2nd Fruit:  mango
Name of 3rd Fruit:  banana
Name of 4th Fruit:  papaya
Name of 5th Fruit:  watermelon
a set to store names of 5 fruitand copy it to another set: ('apple', 'mango', 'banana', 'papaya', 'watermelon')

Process finished with exit code 0
```

## Assignment based on dictionary

```
C:\Users\ACER\PycharmProjects\pythonProject6\venv\Scripts\python.exe C:\Users\ACER\PycharmProjects\pythonProject6\main.py
create a dictionary to store details of students : {'name': 'Vaishnavi Rahamatkar', 'rollno': 'AM21014', 'branch': 'AIML', 'contact_number': 1234567890}
Before deletion:
{'name': 'Vaishnavi Rahamatkar', 'rollno': 'AM21014', 'branch': 'AIML', 'contact_number': 1234567890}
After deletion:
delete a key branch from a student dictionary: {'name': 'Vaishnavi Rahamatkar', 'rollno': 'AM21014', 'contact_number': 1234567890}
change the name of student to ram: {'name': 'ram', 'age': 20, 'grade': 'A'}
keys: ['name', 'age', 'grade']
values: ['Vaishnavi Rahamatkar', 20, 'A']
Keys: ['name', 'age', 'grade']
Values: ['Vaishnavi Rahamatkar', 20, 'A']
student1: {'name': 'Vaishnavi Rahamatkar', 'age': 20, 'grade': 'A'}

Process finished with exit code 0
```

## Assignment based  on decision making & loops

```
C:\Users\ACER\PycharmProjects\pythonProject7\venv\Scripts\python.exe C:\Users\ACER\PycharmProjects\pythonProject7\main.py
first 10 natural number : 1
first 10 natural number : 2
first 10 natural number : 3
first 10 natural number : 4
first 10 natural number : 5
first 10 natural number : 6
first 10 natural number : 7
first 10 natural number : 8
first 10 natural number : 9
first 10 natural number : 10
The sum of numbers from 1 to 10 is: 55
Multiplication Table of : 5
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
Number: 12345
Total number of digits: 5
```

```
Prime numbers from 1 to 50:
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
Number: 5
Factorial: 120
Number: 1234
Reversed number: 4321
1
12
123
1234
12345

Process finished with exit code 0
```

Assignment based on functions

```
C:\Users\ACER\PycharmProjects\pythonProject8\venv\Scripts\python.exe C:\Users\
addition the three no: 30
return product of two given no: 50
Employee Name: John Doe
Salary: 15000
Employee Name: Jane Smith
Salary: 9000
find largest of three given number: 10
the addition of its square: 55
create lambda function that adds: 22
create lambda function to get the power of a specified number: 8

Process finished with exit code 0
```