

## 1) Print all elements of a list using for loop

```
In [1]: a = [4,7,3,2,5,9]
b = enumerate(a) #enumerate(iterable, start=0) where iterables are your items
for i in b:
    print(i)
```

```
(0, 4)
(1, 7)
(2, 3)
(3, 2)
(4, 5)
(5, 9)
```

## 2) A company decided to give bonus of 5% to employee if his/her year of service is more than 5years. Ask user for their salary and year of service and print the net bonus amount.

```
In [2]: salary = int(input("Enter your salary = "))
year = int(input("Enter your year of service = "))
if year>5:
    print("Your Net bonus is",0.05*salary)
```

```
Enter your salary = 50000
Enter your year of service = 8
Your Net bonus is 2500.0
```

```
In [3]: age1 = int(input("Enter age Person 1: "))  
  
age2 = int(input("Enter age Person 2: "))  
  
age3 = int(input("Enter age Person 3: "))  
  
if (age1 > age2) & (age1 > age3):  
    print('Person 1 is the oldest')  
    if age2 < age3:  
        print('Person 2 is the youngest')  
    else:  
        print('Person 3 is the youngest')
```

```
Enter age Person 1: 25  
Enter age Person 2: 18  
Enter age Person 3: 20  
Person 1 is the oldest  
Person 2 is the youngest
```

## 4) A school has following rules for grading system:

a. Below 25-F b. 25 to 45-E c. 45 to 50-D d. 50 to 60-C e. 60 to 80-B f. Above 80-A

## 5. Ask user to enter marks and print the corresponding grade.

```
In [3]: score = input("Enter your score")

score = int(score)

if score < 25:

    print("F")

elif score >= 25 and score < 45:

    print("E")

elif score >= 45 and score < 50:

    print("D")

elif score >= 50 and score < 60:

    print("C")

elif score >= 60 and score < 80:

    print("B")

else:

    print("A")
```

Enter your score95

A

## 6) Write a Python script to merge two Python dictionaries

```
In [40]: my_dict1 = {'Name': 'Justina', 'Age': 29, 'Location': 'Ebonyi'}
my_dict1
```

```
Out[40]: {'Name': 'Justina', 'Age': 29, 'Location': 'Ebonyi'}
```

```
In [41]: my_dict2 = {'Country': 'Nigeria', 'City': 'Abakaliki', 'Food': 'Rice'}
my_dict2
```

```
Out[41]: {'Country': 'Nigeria', 'City': 'Abakaliki', 'Food': 'Rice'}
```

```
In [42]: my_dict1 = (my_dict2.update(my_dict1))
```

```
In [43]: my_dict2
```

```
Out[43]: {'Country': 'Nigeria',  
          'City': 'Abakaliki',  
          'Food': 'Rice',  
          'Name': 'Justina',  
          'Age': 29,  
          'Location': 'Ebonyi'}
```

## 7) Write a python program to get the largest number from a list

```
In [46]: list1 = [10, 20, 4, 45, 99]  
  
mx=max(list1)  
  
mx
```

```
Out[46]: 99
```

## 8) Write a python program to remove a key from a dictionary

```
In [47]: Tina = {'Name': 'Justina', 'Age': 29, 'Location': 'Ebonyi', 'Country': 'Nigeria',  
                'Food': 'Rice'}  
  
del Tina["City"]  
  
print(Tina)  
  
{'Name': 'Justina', 'Age': 29, 'Location': 'Ebonyi', 'Country': 'Nigeria', 'Food': 'Rice'}
```

```
In [ ]:
```