

11. Write a python program to display ascending and descending order from given 10 numbers.

```
numbers = [1, 3, 4, 2, 7, 10, 8, 5, 9, 6]
```

```
# Sorting list of Integers in ascending.
```

```
numbers.sort()
```

```
print(numbers)
```

```
# Sorting list of Integers in
```

```
descending.numbers.sort(reverse=True)
```

```
print(numbers)
```

**12. Write a Python program to print the duplicate elements of an myarrayay.**

- `myarray = [1, 9, 3, 4, 2, 7, 8, 8, 9, 3]`  
`print("Duplicate elements in given myarrayay : ")`  
  
`for i in range(0, len(myarray)):`  
 `for j in range(i + 1, len(myarray)):`  
 `if(myarray[i] == myarray[j]):`  
 `print(myarray[j])`

**13. Write Python programs to create functions and use functions in the program.**

# function definition

```
def msg():  
    print("Hello Python")
```

```
def sum(a, b):  
    print(a + b)
```

# function calling

```
msg()  
sum(5, 2)
```

14. Write Python programs to using lambda function.

- # a is an argument and a+10 is an expression which got evaluated and returned.

```
x = lambda a:a+10
```

- # Here we are printing the function object

```
print(x)
```

```
print("sum = ",x(20))
```

## 15 Write Python programs loading the module in Python code.

- #Save this code in a file named module1.py

```
def greeting(name):  
    print("Hello, " + name)
```

- #Import the module named mymodule, and call the greeting function: #Save this code in a file named module2.py

```
import mymodule  
mymodule.greeting("Python")
```

## 16. Write a program to print following pattern

```
# 1
# 1 2
# 1 2 3
# 1 2 3 4
# 1 2 3 4 5
n = 5
```

```
for i in range(1, n+1):
    for j in range(1, i+1):
        print(j, end=" ")
    print()
```

## **17 Write Python programs to implement a concept of list.**

```
list2 = [1,2, 3, 4, 5, 6, 7, 8, 9, 10, 11,12]
```

```
for i in list2:
```

```
if i % 2 == 0:
```

```
print("Even Numbers are : " ,i)
```

### **OUTPUT**

Even Numbers are : 2

Even Numbers are : 4

Even Numbers are : 6

Even Numbers are : 8

Even Numbers are : 10

Even Numbers are : 12

**19 Write a Python program to create nested list and display its elements.**

```
numbers = [ [2, 3, 4],[5, 6, 7],[8, 9, 10]]
```

```
for list in numbers:
```

```
    for number in list:
```

```
        print(number, end=' ')
```

- **OUTPUT**

- 2 3 4 5 6 7 8 9 10



**20. Write a Python program to using multiple inheritance.**

```
class Class1:  
    def msg1(self):  
        print("In Class1")  
  
class Class2(Class1):  
    def msg2(self):  
        print("In Class2")  
  
class Class3(Class1):  
    def msg3(self):  
        print("In Class3")  
  
class Class4(Class2, Class3):  
    def msg(self):  
        print("In Class4")
```