

1:Write a Python program to read an entire text file.

```
my_file=open("mvrs.txt","r")
for line in my_file:
    print(line)
my_file.close()
```

2:Write a Python program to read first n lines of a file

```
my_file=open("mvrs.txt","r")
n=int(input("Enter no.of lines to read:"))
i=0
for line in my_file:
    if i<n:
        print(line)
        i+=1
    else:
        break
my_file.close()
```

3:Write a Python program to append text to a file and display the text

```
my_file=open("mvrs.txt","a")
my_file.write("\n This is python 4th module assignment\n")
my_file1=open("mvrs.txt","r")
for line in my_file1:
    print(line)
my_file.close()
my_file1.close()
```

4:Write a Python program to read last n lines of a file.

```
my_file=open("mvrs2.txt","r")
n=int(input("Enter no.of lines to read:"))
for line in (my_file.readlines()[::-n]):
    print(line)
my_file.close()
```

5:Write a Python program to read a file line by line store it into a variable.

```
my_file=open("mvrs2.txt","r")
a=""
for line in my_file:
    a=a+line
print(a)
my_file.close()
```

6:Write a Python program to read a file line by line and store it into a list.

```
my_file=open("mvrs2.txt","r")
l=[]
for line in my_file:
    l.append(line)
```

```
print(l)
my_file.close()
```

```
my_file=open("mvrs2.txt","r")
l=[]
for line in my_file:
    l.append(line)
print(l)
my_file.close()
```

8:Write a Python program to count the number of lines in a text file

```
my_file=open("mvrs2.txt","r")
count=0
for line in my_file:
    count+=1
print("No.of lines in file:",count)
```

9:Write a Python program to get the file size of a plain file.

```
import os
size=os.path.getsize("mvrs2.txt")
print("Size of file:",size,"bytes")
```

10:Write a Python program to copy the contents of a file to another file .

```
my_file1=open("mvrs2.txt","r")
my_file2=open("mvrs3.txt","w")
for line in my_file1:
    my_file2.write(line)
my_file1.close()
my_file2.close()
my_file3=open("mvrs3.txt","r")
for l in my_file3:
    print(l)
my_file3.close()
```

11:Write a Python program to sum all the items in a list.

```
l=[1,2,3,4,5,6,7,8,9,10]
sum=0
for i in l:
    sum+=i
print("Sum of elements of list:",sum)
```

12:Write a Python program to multiplies all the items in a list.

```
l=[1,2,3,4,5,6,7,8,9,10]
mul=1
for i in l:
    mul*=i
```

```
print("Multiplication of elements of list.",mul)
```

13:Write a Python program to get the largest & smallest number from a list.

```
l=[1,2,3,4,5,6,7,8,9,10]
s=l[0]
h=l[0]
for i in l:
    if s>i:
        s=i
    if h<i:
        h=i
print("Smallest value in list:",s)
print("largest value in list:",h)
```

14:Write a Python program to remove duplicates from a list

```
l1=[10,20,30,40,10,20,30,40]
l2=[]
for i in l1:
    if i not in l2:
        l2.append(i)
    else:
        continue
print("After removing duplicates:")
print("List:",l2)
```

15:Write a Python program to check a list is empty or not

```
l=[]
if len(l)==0:
    print("List is empty")
else:
    print("List is not empty")
```

16:Write a Python program to clone or copy a list.

```
l1=[10,20,30,40]
l2=[]
for i in l1:
    l2.append(i)
print(l2)
```

17:Write a Python program to print a specified list after removing the 0th, 4th and 5th elements.
Sample List : ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow'] Expected Output : ['Green', 'White', 'Black']

```
l1= ['Red','Green','White','Black','Pink','Yellow']
l2=[]
i=0
while i<len(l1):
    if i==0 or i==4 or i==5:
        i+=1
        continue
    else:
        l2.append(l1[i])
        i+=1
```

```

        l2.append(l1[i])
        i+=1
print("After removing 0th,4th and 5th positions:")
print("List:",l2)

```

18:Write a Python program to print the numbers of a specified list after removing even numbers from it

```

l1=[1,2,3,4,5,6,7,8,9,10]
l2=[]
for i in l1:
    if i%2==0:
        continue
    else:
        l2.append(i)
print("After removing even numbers from list:")
print("List:",l2)

```

19:Write a Python program to shuffle and print a specified list.

```

from random import shuffle
l=[1,2,3,4,5,6,7,8,9,10]
shuffle(l)
print(l)

```

20:Write a Python program to get the difference between the two lists

```

l1=[10,20,30,40,50,60,70,80,90,100]
l2=[1,2,3,4,5,6,7,8,9,10]
l3=[]
if len(l1)==len(l2):
    i,j=0,0
    while i<len(l1) and j<len(l2):
        l3.append(l1[i]-l2[j])
        i+=1
        j+=1
    print("Difference between two lists:",l3)
else:
    print("No.of elements are different.Not able to do difference")

```