WEEK 3 Project :

1. Creating a Bulk Files :

In [1]:
```
for i in range(1,101):
    name = 'nandysfile/Nandhini Kumar file no_' + str(i) +'.txt'
    fd = open(name,'w')
    fd.write("This is Bulk file no_" + str(i))
    fd.close()
```

2. Reading data from a file:

In [2]:
```
fd = open('nandysfile/Nandhini Kumar file no_54.txt','r')
print(fd.read())
fd.close()
```

```
This is Bulk file no_54
```

3. Reading Data from Bulk Files - Using file names Loop:

In [3]:
```
data = []
for i in range(1,101):
    name = 'nandysfile/Nandhini Kumar file no_'+str(i)+'.txt'
    fd = open(name,'r')
    data.append([name,fd.read()])
    fd.close()
```

In [4]:
```
data
```

Out[4]:
```
[['nandysfile/Nandhini Kumar file no_1.txt', 'This is Bulk file no_1'],
 ['nandysfile/Nandhini Kumar file no_2.txt', 'This is Bulk file no_2'],
 ['nandysfile/Nandhini Kumar file no_3.txt', 'This is Bulk file no_3'],
 ['nandysfile/Nandhini Kumar file no_4.txt', 'This is Bulk file no_4'],
 ['nandysfile/Nandhini Kumar file no_5.txt', 'This is Bulk file no_5'],
 ['nandysfile/Nandhini Kumar file no_6.txt', 'This is Bulk file no_6'],
 ['nandysfile/Nandhini Kumar file no_7.txt', 'This is Bulk file no_7'],
 ['nandysfile/Nandhini Kumar file no_8.txt', 'This is Bulk file no_8'],
 ['nandysfile/Nandhini Kumar file no_9.txt', 'This is Bulk file no_9'],
 ['nandysfile/Nandhini Kumar file no_10.txt', 'This is Bulk file no_10'],
 ['nandysfile/Nandhini Kumar file no_11.txt', 'This is Bulk file no_11'],
 ['nandysfile/Nandhini Kumar file no_12.txt', 'This is Bulk file no_12'],
 ['nandysfile/Nandhini Kumar file no_13.txt', 'This is Bulk file no_13'],
 ['nandysfile/Nandhini Kumar file no_14.txt', 'This is Bulk file no_14'],
 ['nandysfile/Nandhini Kumar file no_15.txt', 'This is Bulk file no_15'],
 ['nandysfile/Nandhini Kumar file no_16.txt', 'This is Bulk file no_16'],
 ['nandysfile/Nandhini Kumar file no_17.txt', 'This is Bulk file no_17'],
 ['nandysfile/Nandhini Kumar file no_18.txt', 'This is Bulk file no_18'],
 ['nandysfile/Nandhini Kumar file no_19.txt', 'This is Bulk file no_19'],
 ['nandysfile/Nandhini Kumar file no_20.txt', 'This is Bulk file no_20'],
 ['nandysfile/Nandhini Kumar file no_21.txt', 'This is Bulk file no_21'],
 ['nandysfile/Nandhini Kumar file no_22.txt', 'This is Bulk file no_22'],
 ['nandysfile/Nandhini Kumar file no_23.txt', 'This is Bulk file no_23'],
 ['nandysfile/Nandhini Kumar file no_24.txt', 'This is Bulk file no_24'],
 ['nandysfile/Nandhini Kumar file no_25.txt', 'This is Bulk file no_25'],
 ['nandysfile/Nandhini Kumar file no_26.txt', 'This is Bulk file no_26'],
 ['nandysfile/Nandhini Kumar file no_27.txt', 'This is Bulk file no_27'],
 ['nandysfile/Nandhini Kumar file no_28.txt', 'This is Bulk file no_28'],
 ['nandysfile/Nandhini Kumar file no_29.txt', 'This is Bulk file no_29'],
 ['nandysfile/Nandhini Kumar file no_30.txt', 'This is Bulk file no_30'],
 ['nandysfile/Nandhini Kumar file no_31.txt', 'This is Bulk file no_31'],
 ['nandysfile/Nandhini Kumar file no_32.txt', 'This is Bulk file no_32'],
 ['nandysfile/Nandhini Kumar file no_33.txt', 'This is Bulk file no_33'],
 ['nandysfile/Nandhini Kumar file no_34.txt', 'This is Bulk file no_34'],
 ['nandysfile/Nandhini Kumar file no_35.txt', 'This is Bulk file no_35'],
 ['nandysfile/Nandhini Kumar file no_36.txt', 'This is Bulk file no_36'],
 ['nandysfile/Nandhini Kumar file no_37.txt', 'This is Bulk file no_37'],
 ['nandysfile/Nandhini Kumar file no_38.txt', 'This is Bulk file no_38'],
 ['nandysfile/Nandhini Kumar file no_39.txt', 'This is Bulk file no_39'],
 ['nandysfile/Nandhini Kumar file no_40.txt', 'This is Bulk file no_40'],
 ['nandysfile/Nandhini Kumar file no_41.txt', 'This is Bulk file no_41'],
 ['nandysfile/Nandhini Kumar file no_42.txt', 'This is Bulk file no_42'],
 ['nandysfile/Nandhini Kumar file no_43.txt', 'This is Bulk file no_43'],
 ['nandysfile/Nandhini Kumar file no_44.txt', 'This is Bulk file no_44'],
 ['nandysfile/Nandhini Kumar file no_45.txt', 'This is Bulk file no_45'],
 ['nandysfile/Nandhini Kumar file no_46.txt', 'This is Bulk file no_46'],
 ['nandysfile/Nandhini Kumar file no_47.txt', 'This is Bulk file no_47'],
 ['nandysfile/Nandhini Kumar file no_48.txt', 'This is Bulk file no_48'],
 ['nandysfile/Nandhini Kumar file no_49.txt', 'This is Bulk file no_49'],
 ['nandysfile/Nandhini Kumar file no_50.txt', 'This is Bulk file no_50'],
 ['nandysfile/Nandhini Kumar file no_51.txt', 'This is Bulk file no_51'],
 ['nandysfile/Nandhini Kumar file no_52.txt', 'This is Bulk file no_52'],
 ['nandysfile/Nandhini Kumar file no_53.txt', 'This is Bulk file no_53'],
 ['nandysfile/Nandhini Kumar file no_54.txt', 'This is Bulk file no_54'],
 ['nandysfile/Nandhini Kumar file no_55.txt', 'This is Bulk file no_55'],
 ['nandysfile/Nandhini Kumar file no_56.txt', 'This is Bulk file no_56'],
 ['nandysfile/Nandhini Kumar file no_57.txt', 'This is Bulk file no_57'],
 ['nandysfile/Nandhini Kumar file no_58.txt', 'This is Bulk file no_58'],
 ['nandysfile/Nandhini Kumar file no_59.txt', 'This is Bulk file no_59'],
 ['nandysfile/Nandhini Kumar file no_60.txt', 'This is Bulk file no_60'],
 ['nandysfile/Nandhini Kumar file no_61.txt', 'This is Bulk file no_61'],
 ['nandysfile/Nandhini Kumar file no_62.txt', 'This is Bulk file no_62'],
 ['nandysfile/Nandhini Kumar file no_63.txt', 'This is Bulk file no_63'],
 ['nandysfile/Nandhini Kumar file no_64.txt', 'This is Bulk file no_64'],
 ['nandysfile/Nandhini Kumar file no_65.txt', 'This is Bulk file no_65'],
 ['nandysfile/Nandhini Kumar file no_66.txt', 'This is Bulk file no_66'],
 ['nandysfile/Nandhini Kumar file no_67.txt', 'This is Bulk file no_67'],
 ['nandysfile/Nandhini Kumar file no_68.txt', 'This is Bulk file no_68'],
 ['nandysfile/Nandhini Kumar file no_69.txt', 'This is Bulk file no_69'],
 ['nandysfile/Nandhini Kumar file no_70.txt', 'This is Bulk file no_70'],
 ['nandysfile/Nandhini Kumar file no_71.txt', 'This is Bulk file no_71'],
 ['nandysfile/Nandhini Kumar file no_72.txt', 'This is Bulk file no_72'],
 ['nandysfile/Nandhini Kumar file no_73.txt', 'This is Bulk file no_73'],
 ['nandysfile/Nandhini Kumar file no_74.txt', 'This is Bulk file no_74'],
 ['nandysfile/Nandhini Kumar file no_75.txt', 'This is Bulk file no_75'],
 ['nandysfile/Nandhini Kumar file no_76.txt', 'This is Bulk file no_76'],
 ['nandysfile/Nandhini Kumar file no_77.txt', 'This is Bulk file no_77'],
 ['nandysfile/Nandhini Kumar file no_78.txt', 'This is Bulk file no_78'],
 ['nandysfile/Nandhini Kumar file no_79.txt', 'This is Bulk file no_79'],
 ['nandysfile/Nandhini Kumar file no_80.txt', 'This is Bulk file no_80'],
 ['nandysfile/Nandhini Kumar file no_81.txt', 'This is Bulk file no_81'],
 ['nandysfile/Nandhini Kumar file no_82.txt', 'This is Bulk file no_82'],
 ['nandysfile/Nandhini Kumar file no_83.txt', 'This is Bulk file no_83'],
 ['nandysfile/Nandhini Kumar file no_84.txt', 'This is Bulk file no_84'],
 ['nandysfile/Nandhini Kumar file no_85.txt', 'This is Bulk file no_85'],
 ['nandysfile/Nandhini Kumar file no_86.txt', 'This is Bulk file no_86'],
 ['nandysfile/Nandhini Kumar file no_87.txt', 'This is Bulk file no_87'],
 ['nandysfile/Nandhini Kumar file no_88.txt', 'This is Bulk file no_88'],
 ['nandysfile/Nandhini Kumar file no_89.txt', 'This is Bulk file no_89'],
 ['nandysfile/Nandhini Kumar file no_90.txt', 'This is Bulk file no_90'],
 ['nandysfile/Nandhini Kumar file no_91.txt', 'This is Bulk file no_91'],
 ['nandysfile/Nandhini Kumar file no_92.txt', 'This is Bulk file no_92'],
 ['nandysfile/Nandhini Kumar file no_93.txt', 'This is Bulk file no_93'],
 ['nandysfile/Nandhini Kumar file no_94.txt', 'This is Bulk file no_94'],
 ['nandysfile/Nandhini Kumar file no_95.txt', 'This is Bulk file no_95'],
 ['nandysfile/Nandhini Kumar file no_96.txt', 'This is Bulk file no_96'],
 ['nandysfile/Nandhini Kumar file no_97.txt', 'This is Bulk file no_97'],
 ['nandysfile/Nandhini Kumar file no_98.txt', 'This is Bulk file no_98'],
 ['nandysfile/Nandhini Kumar file no_99.txt', 'This is Bulk file no_99'],
 ['nandysfile/Nandhini Kumar file no_100.txt', 'This is Bulk file no_100']]
```

4. Reading data from Bulk files - Using OS

In [5]:
```
import os
for i in range(1,101):
    name = 'nandysfile/Nandhini Kumar file no_' + str(i) + '.txt'
    fd = open(name,'w')
    fd.write('nandysfile/This is Nandhini Kumar file no_' + str(i))
    fd.close()
    for i in range(1,101):
        fd = open(name,'r')
        a = fd.read()
    print(a)
    fd.close()
```

```
nandysfile/This is Nandhini Kumar file no_1
nandysfile/This is Nandhini Kumar file no_2
nandysfile/This is Nandhini Kumar file no_3
nandysfile/This is Nandhini Kumar file no_4
nandysfile/This is Nandhini Kumar file no_5
nandysfile/This is Nandhini Kumar file no_6
nandysfile/This is Nandhini Kumar file no_7
nandysfile/This is Nandhini Kumar file no_8
nandysfile/This is Nandhini Kumar file no_9
nandysfile/This is Nandhini Kumar file no_10
nandysfile/This is Nandhini Kumar file no_11
nandysfile/This is Nandhini Kumar file no_12
nandysfile/This is Nandhini Kumar file no_13
nandysfile/This is Nandhini Kumar file no_14
nandysfile/This is Nandhini Kumar file no_15
nandysfile/This is Nandhini Kumar file no_16
nandysfile/This is Nandhini Kumar file no_17
nandysfile/This is Nandhini Kumar file no_18
nandysfile/This is Nandhini Kumar file no_19
nandysfile/This is Nandhini Kumar file no_20
nandysfile/This is Nandhini Kumar file no_21
nandysfile/This is Nandhini Kumar file no_22
nandysfile/This is Nandhini Kumar file no_23
nandysfile/This is Nandhini Kumar file no_24
nandysfile/This is Nandhini Kumar file no_25
nandysfile/This is Nandhini Kumar file no_26
nandysfile/This is Nandhini Kumar file no_27
nandysfile/This is Nandhini Kumar file no_28
nandysfile/This is Nandhini Kumar file no_29
nandysfile/This is Nandhini Kumar file no_30
nandysfile/This is Nandhini Kumar file no_31
nandysfile/This is Nandhini Kumar file no_32
nandysfile/This is Nandhini Kumar file no_33
nandysfile/This is Nandhini Kumar file no_34
nandysfile/This is Nandhini Kumar file no_35
nandysfile/This is Nandhini Kumar file no_36
nandysfile/This is Nandhini Kumar file no_37
nandysfile/This is Nandhini Kumar file no_38
nandysfile/This is Nandhini Kumar file no_39
nandysfile/This is Nandhini Kumar file no_40
nandysfile/This is Nandhini Kumar file no_41
nandysfile/This is Nandhini Kumar file no_42
nandysfile/This is Nandhini Kumar file no_43
nandysfile/This is Nandhini Kumar file no_44
nandysfile/This is Nandhini Kumar file no_45
nandysfile/This is Nandhini Kumar file no_46
nandysfile/This is Nandhini Kumar file no_47
nandysfile/This is Nandhini Kumar file no_48
nandysfile/This is Nandhini Kumar file no_49
nandysfile/This is Nandhini Kumar file no_50
nandysfile/This is Nandhini Kumar file no_51
nandysfile/This is Nandhini Kumar file no_52
nandysfile/This is Nandhini Kumar file no_53
nandysfile/This is Nandhini Kumar file no_54
nandysfile/This is Nandhini Kumar file no_55
nandysfile/This is Nandhini Kumar file no_56
nandysfile/This is Nandhini Kumar file no_57
nandysfile/This is Nandhini Kumar file no_58
nandysfile/This is Nandhini Kumar file no_59
nandysfile/This is Nandhini Kumar file no_60
nandysfile/This is Nandhini Kumar file no_61
nandysfile/This is Nandhini Kumar file no_62
nandysfile/This is Nandhini Kumar file no_63
nandysfile/This is Nandhini Kumar file no_64
nandysfile/This is Nandhini Kumar file no_65
nandysfile/This is Nandhini Kumar file no_66
nandysfile/This is Nandhini Kumar file no_67
nandysfile/This is Nandhini Kumar file no_68
nandysfile/This is Nandhini Kumar file no_69
nandysfile/This is Nandhini Kumar file no_70
nandysfile/This is Nandhini Kumar file no_71
nandysfile/This is Nandhini Kumar file no_72
nandysfile/This is Nandhini Kumar file no_73
nandysfile/This is Nandhini Kumar file no_74
nandysfile/This is Nandhini Kumar file no_75
nandysfile/This is Nandhini Kumar file no_76
nandysfile/This is Nandhini Kumar file no_77
nandysfile/This is Nandhini Kumar file no_78
nandysfile/This is Nandhini Kumar file no_79
nandysfile/This is Nandhini Kumar file no_80
nandysfile/This is Nandhini Kumar file no_81
nandysfile/This is Nandhini Kumar file no_82
nandysfile/This is Nandhini Kumar file no_83
nandysfile/This is Nandhini Kumar file no_84
nandysfile/This is Nandhini Kumar file no_85
nandysfile/This is Nandhini Kumar file no_86
nandysfile/This is Nandhini Kumar file no_87
nandysfile/This is Nandhini Kumar file no_88
nandysfile/This is Nandhini Kumar file no_89
nandysfile/This is Nandhini Kumar file no_90
nandysfile/This is Nandhini Kumar file no_91
nandysfile/This is Nandhini Kumar file no_92
nandysfile/This is Nandhini Kumar file no_93
nandysfile/This is Nandhini Kumar file no_94
nandysfile/This is Nandhini Kumar file no_95
nandysfile/This is Nandhini Kumar file no_96
nandysfile/This is Nandhini Kumar file no_97
nandysfile/This is Nandhini Kumar file no_98
nandysfile/This is Nandhini Kumar file no_99
nandysfile/This is Nandhini Kumar file no_100
```

5.Writing all files data in a single file - (writing directly in text file)

In [6]:
```
fd_ = open('main nandys file.txt','a')
for i in range(1,101):
    name = 'Nandhini Kumar file no_' + str(i) + '.txt'
    fd = open(name,'r')
    fd_.write(fd.read())
    fd_.write('\n')
    fd.close()
fd_.close()
```

6. Writing all files data in a single file - (writing through string)

In [7]:
```
text = ''
for i in range(1,101):
    name = 'Nandhini Kumar file no_' + str(i) + '.txt'
    fd = open(name,'r')
    text=+fd.read()
    text+='\n'
    fd.close()
```

In [8]:
```
fd = open('main_ file.txt','w')
fd.write(text)
fd.close()
```