

In [1]:

```
#Zipping and Unzipping files
# It is very common requirement to zip and unzip files
#The main advantages are:
# 1. To improve memory utilization.
# 2. We can reduce transport time.
# 3. We can improve performance.

# To perform zip and unzip operations, Python contains one in-built module zip file. This module contains a class :ZipFile.
```

In [2]:

```
#To create a Zip file:
# We have to create a ZipFile class object with name of the zip file, mode and constant ZIP_DEFLATED. This constant represents we are creating a zip file.

#Syntax: f=ZipFile("files.zip","w",ZIP_DEFLATED)
# Once we create a ZipFile object, we can add files by using write() method.
#Syntax: f.write(filename)
```

In [5]:

```
#perform zip operation
from zipfile import *
f=ZipFile("files.zip",'w',ZIP_DEFLATED)
f.write("aravind.txt")
f.close()
print("files.zip file create successfully")
```

files.zip file create successfully

In [6]:

```
#perform unzip operation
#Syntax: f=ZipFile("files.zip","r",ZIP_STORED)
# ZIP_STORED represents unzip operation. This is the default value and hence we are not required to specify.
# Once we created ZipFile object for unzip operation, we can get all filenames present in that zip file by using namelist()
# method
#Syntax: names=f.namelist()
```

In [7]:

```
#perform unzip operation
from zipfile import *
f=ZipFile("files.zip",'r',ZIP_STORED)
names=f.namelist()
for name in names:
    print("Filename:",name)
    print("The content of this file is:")
    f1=open(name,'r')
    print(f1.read())
    print()
```

Filename: aravind.txt
The content of this file is:
learning python is difficult!