

```
=====
ASSIGNMENT NAME      : AMAZON WEB SERVICES (S3)
ASSIGNMENT NO.       :
BRANCH               : BE-COMP
NAME                 :
ROLL NO.             :
=====
```

```
from subprocess import call as s_call
#subprocess.call()--> takes input as subprocess.call(["ls","-l"]) command as a list
```

```
import sys #for sys.exit() Program termination
```

```
ch=int() #ch will be of type integer
```

```
while(ch!=8):
    print "\nMenu"
    print "1.Create Bucket"
    print "2.Delete Bucket"
    print "3.Download File"
    print "4.Upload File "
    print "5.Delete File"
    print "6.View Buckets"
    print "7.View Bucket contents"
    print "8.EXIT"
    while(1):
        #try-except block for invalid input by user
        try:
            ch=int(raw_input("Enter your choice: \n"))
            break #come out of loop after valid input

        except ValueError: #ValueError is a type of exception
            pass #don't do anything
    if ch==1:
        bucket=raw_input("Enter bucket name:\n")
        region=raw_input("Enter region name:\n")
        cmd="aws s3api create-bucket --bucket %s --region %s"%(bucket,region) #
replace '%s' with proper values
        print 'command : ', cmd,'\n', 'using split() : ',cmd.split() #print the whole
command
        s_call(cmd.split()) # split and give it as a list to subprocess.call() i.e s_call()

    elif ch==2:
        bucket=raw_input("Enter bucket name:\n")
        region=raw_input("Enter region name:\n")
        cmd="aws s3api delete-bucket --bucket %s --region %s"%(bucket,region)
        print 'command : ', cmd
        s_call(cmd.split())
```

```

elif ch==3:
    src_path=raw_input("Enter File path: 'From s3 to local : eg.
/<bucket_name>/<folder_name>/...\n")
    dest_path=raw_input("Enter Destination path:\n")
    cmd="aws s3 cp s3:/%s %s"%(src_path,dest_path)
    print 'command : ', cmd
    s_call(cmd.split())

elif ch==4:
    src_path=raw_input("Enter File path: 'From local to s3 storage'\n")
    dest_path=raw_input("Enter Destination path: 'eg.
/<bucket_name>/<folder_name>/...\n")
    cmd="aws s3 cp %s s3:/%s"%(src_path,dest_path)
    print 'command : ', cmd
    s_call(cmd.split())

elif ch==5:
    file_path=raw_input("Enter File path to be deleted: 'eg.
/<bucket_name>/<folder_name>/<file_name>...\n")
    cmd="aws s3 rm s3:/%s"%(file_path)
    print 'command : ', cmd
    s_call(cmd.split())

elif ch==6:
    cmd="aws s3 ls"
    print 'command : ', cmd
    s_call(cmd.split())

elif ch==7:
    bucket=raw_input("Enter the bucket name:\n")
    cmd="aws s3 ls %s"%bucket
    print 'command : ', cmd
    s_call(cmd.split())

elif ch==8:
    print "Exited!"
    sys.exit()
else:
    print "Enter correct choice!"

```