SCREENSHOTS OF PROGRAM 3

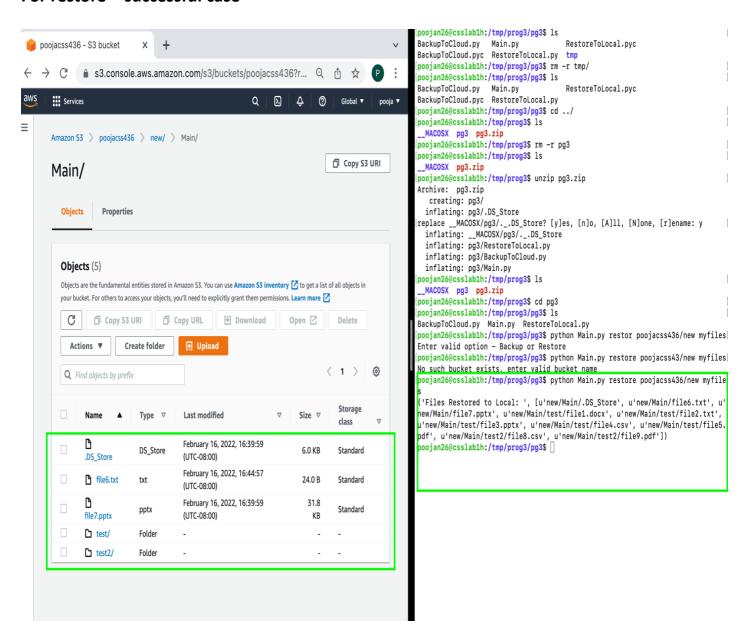
Invalid option chosen – other than backup or restore chosen

```
● ● □ pg3 — poojan26@csslab1h: /tmp/prog3/pg3 — ssh poojan26@@csslab1.uwb.edu — 93×...
poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py
                  Main.py
                                     RestoreToLocal.pvc
BackupToCloud.pyc RestoreToLocal.py tmp
poojan26@csslab1h:/tmp/prog3/pg3$ rm -r tmp/
poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py
                  Main.py
                                     RestoreToLocal.pvc
BackupToCloud.pvc RestoreToLocal.pv
poojan26@csslab1h:/tmp/prog3/pg3$ cd ../
poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3 pg3.zip
poojan26@csslab1h:/tmp/prog3$ rm -r pg3
poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3.zip
poojan26@csslab1h:/tmp/prog3$ unzip pg3.zip
Archive: pg3.zip
   creating: pg3/
  inflating: pg3/.DS_Store
replace __MACOSX/pg3/._.DS_Store? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  inflating: __MACOSX/pg3/._.DS_Store
  inflating: pg3/RestoreToLocal.py
  inflating: pg3/BackupToCloud.py
  inflating: pg3/Main.py
poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3 pg3.zip
poojan26@csslab1h:/tmp/prog3$ cd pg3
poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py Main.py RestoreToLocal.py
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py restor poojacss436/new myfiles
Enter valid option - Backup or Restore
poojan26@csslab1h:/tmp/prog3/pg3$
```

For restore case – entering nonexistent bucket name

```
🛑 📃 pg3 — poojan26@csslab1h: /tmp/prog3/pg3 — ssh poojan26@@csslab1.uwb.edu — 93×...
BackupToCloud.pyc RestoreToLocal.py tmp
[poojan26@csslab1h:/tmp/prog3/pg3$ rm -r tmp/
[poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.pv
                   Main.pv
                                      RestoreToLocal.pvc
BackupToCloud.pyc RestoreToLocal.py
[poojan26@csslab1h:/tmp/prog3/pg3$ cd ../
[poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3 pg3.zip
[poojan26@csslab1h:/tmp/prog3$ rm -r pg3
[poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3.zip
[poojan26@csslab1h:/tmp/prog3$ unzip pg3.zip
Archive: pg3.zip
   creating: pg3/
  inflating: pg3/.DS_Store
[replace __MACOSX/pg3/._.DS_Store? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  inflating: __MACOSX/pg3/._.DS_Store
  inflating: pg3/RestoreToLocal.py
  inflating: pg3/BackupToCloud.py
  inflating: pg3/Main.py
[poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3 pg3.zip
[poojan26@csslab1h:/tmp/prog3$ cd pg3
[poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py Main.py RestoreToLocal.py
[poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py restor poojacss436/new myfiles
Fnter valid option - Backup or Restore
[poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py restore poojacss43/new myfiles
No such bucket exists, enter valid bucket name
poojan26@csslab1h:/tmp/prog3/pg3$
```

For restore - successful case



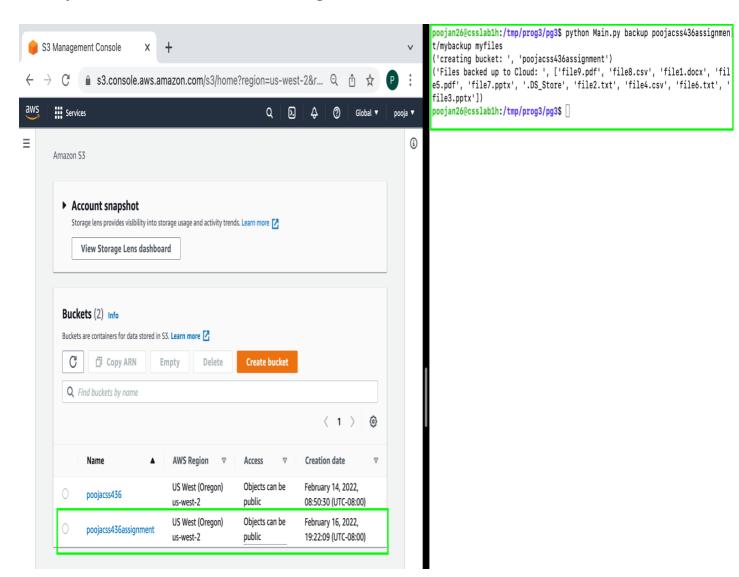
List of files restored in myfiles folder:

```
● ● ■ pg3 - poojan26@csslab1h: /tmp/prog3/pg3/myfiles/new/Main/test2 - ssh poojan26@@csslab1.uwb.edu - 123×45
__MACOSX pg3 pg3.zip
poojan26@csslab1h:/tmp/prog3$ rm -r pg3
poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3.zip
poojan26@csslab1h:/tmp/prog3$ unzip pg3.zip
Archive: pg3.zip
  creating: pg3/
  inflating: pg3/.DS_Store
replace __MACOSX/pg3/._.DS_Store? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  inflating: __MACOSX/pg3/._.DS_Store
  inflating: pg3/RestoreToLocal.py
 inflating: pg3/BackupToCloud.py
 inflating: pg3/Main.py
poojan26@csslab1h:/tmp/prog3$ ls
__MACOSX pg3 pg3.zip
poojan26@csslab1h:/tmp/prog3$ cd pg3
poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py Main.py RestoreToLocal.py
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py restor poojacss436/new myfiles
Enter valid option - Backup or Restore
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py restore poojacss43/new myfiles
No such bucket exists, enter valid bucket name
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py restore poojacss436/new myfiles
('Files Restored to Local: ', [u'new/Main/.DS_Store', u'new/Main/file6.txt', u'new/Main/file7.pptx', u'new/Main/test/file1.
docx', u'new/Main/test/file2.txt', u'new/Main/test/file3.pptx', u'new/Main/test/file4.csv', u'new/Main/test/file5.pdf', u'n
ew/Main/test2/file8.csv', u'new/Main/test2/file9.pdf'])
poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py BackupToCloud.pyc Main.py myfiles RestoreToLocal.py RestoreToLocal.pyc
poojan26@csslab1h:/tmp/prog3/pg3$ cd myfiles/
poojan26@csslab1h:/tmp/prog3/pg3/myfiles$ ls
poojan26@csslab1h:/tmp/prog3/pg3/myfiles$ cd new
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new$ ls
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new$ cd Main/
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main$ ls
file6.txt file7.pptx test test2
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main$ cd test
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main/test$ ls
file1.docx file2.txt file3.pptx file4.csv file5.pdf
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main/test$ cd ../
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main$ cd test2
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main/test2$ ls
file8.csv file9.pdf
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main/test2$
```

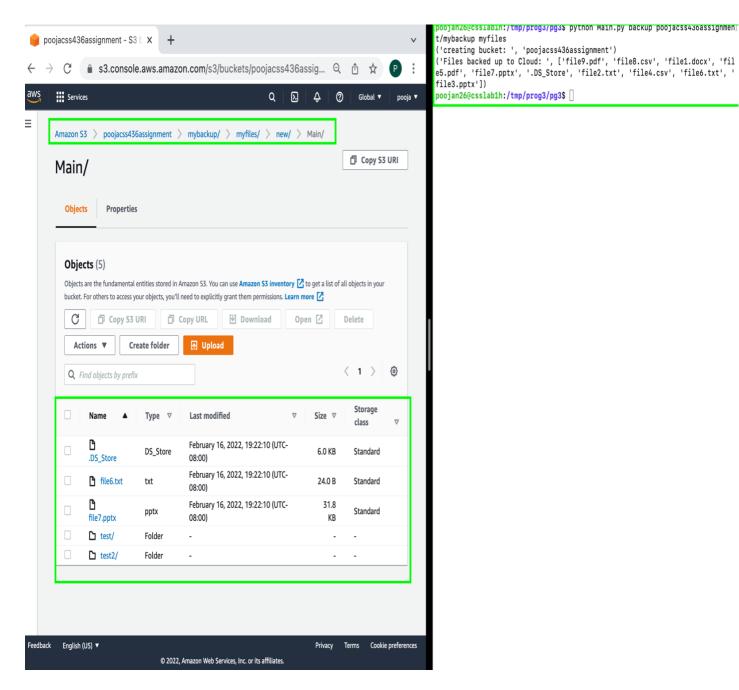
Bucket name taken case:

```
|poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py backup poojacss436assignment/mybackup myfiles
('creating bucket: ', 'poojacss436assignment')
('Files backed up to Cloud: ', ['file9.pdf', 'file8.csv', 'file1.docx', 'file5.pdf', 'file7.pptx', '.DS_Store', 'file2.txt', 'file4.csv', 'file6.txt', 'file3.potx'])
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py backup pooja/mybackup myfiles
('creating bucket: ', 'pooja')
Bucket name taken, enter different name
poojan26@csslab1h:/tmp/prog3/pg3$
```

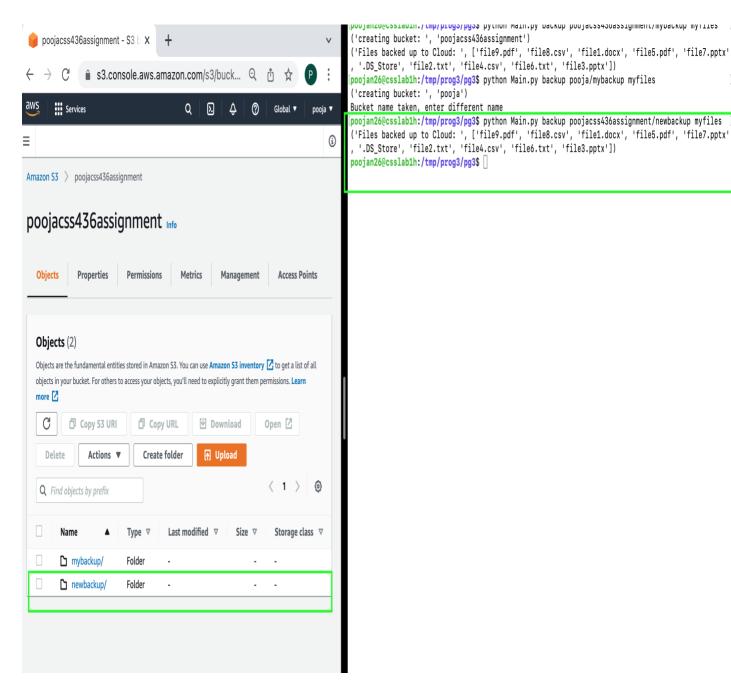
Backup successful case: bucket creating



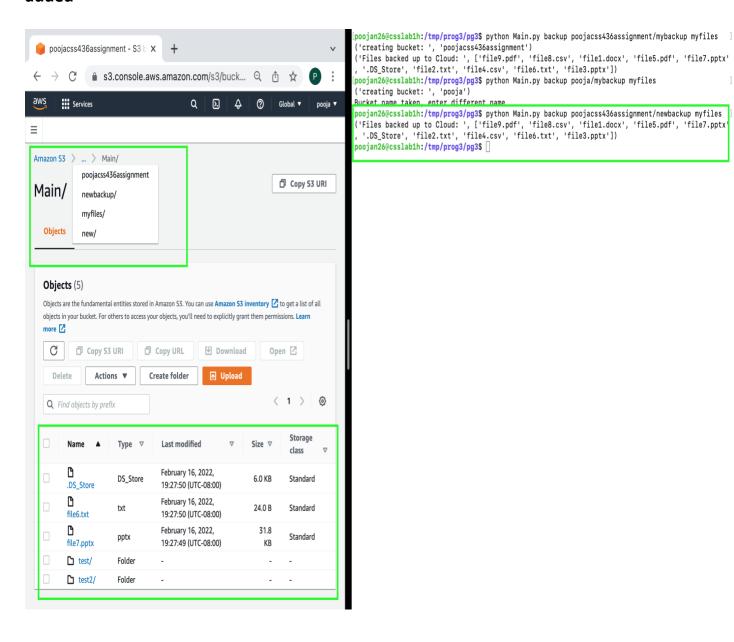
Backup successful case: all files backed up to cloud



Backup successful case: added to same bucket but different directory



Backup successful case: added to same bucket but different directory, all files added



Backup successful case: Only modified file backed up to cloud

```
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py backup poojacss436assignment/mybackup myfiles
('creating bucket: ', 'poojacss436assignment')
('Files backed up to Cloud: ', ['file9.pdf', 'file8.csv', 'file1.docx', 'file5.pdf', 'file7.pptx', '.DS_Stor
e', 'file2.txt', 'file4.csv', 'file6.txt', 'file3.pptx'])
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py backup pooja/mybackup myfiles
('creating bucket: ', 'pooja')
Bucket name taken, enter different name
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py backup poojacss436assignment/newbackup myfiles
('Files backed up to Cloud: ', ['file9.pdf', 'file8.csv', 'file1.docx', 'file5.pdf', 'file7.pptx', '.DS Stor
e', 'file2.txt', 'file4.csv', 'file6.txt', 'file3.pptx'])
poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py BackupToCloud.pyc Main.py myfiles RestoreToLocal.py RestoreToLocal.pyc
poojan26@csslab1h:/tmp/prog3/pg3$ cd myfiles
poojan26@csslab1h:/tmp/prog3/pg3/myfiles$ ls
poojan26@csslab1h:/tmp/prog3/pg3/myfiles$ cd new/
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new$ cd Main/
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main$ ls
file6.txt file7.pptx test test2
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main$ nano file6.txt
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new/Main$ cd ../
poojan26@csslab1h:/tmp/prog3/pg3/myfiles/new$ cd ../
poojan26@csslab1h:/tmp/prog3/pg3/myfiles$ cd ../
poojan26@csslab1h:/tmp/prog3/pg3$ ls
BackupToCloud.py BackupToCloud.pyc Main.py myfiles RestoreToLocal.py RestoreToLocal.pyc
poojan26@csslab1h:/tmp/prog3/pg3$ python Main.py backup poojacss436assignment/newbackup myfiles
('Files backed up to Cloud: ', ['file6.txt'])
poojan26@csslab1h:/tmp/prog3/pg3$
```