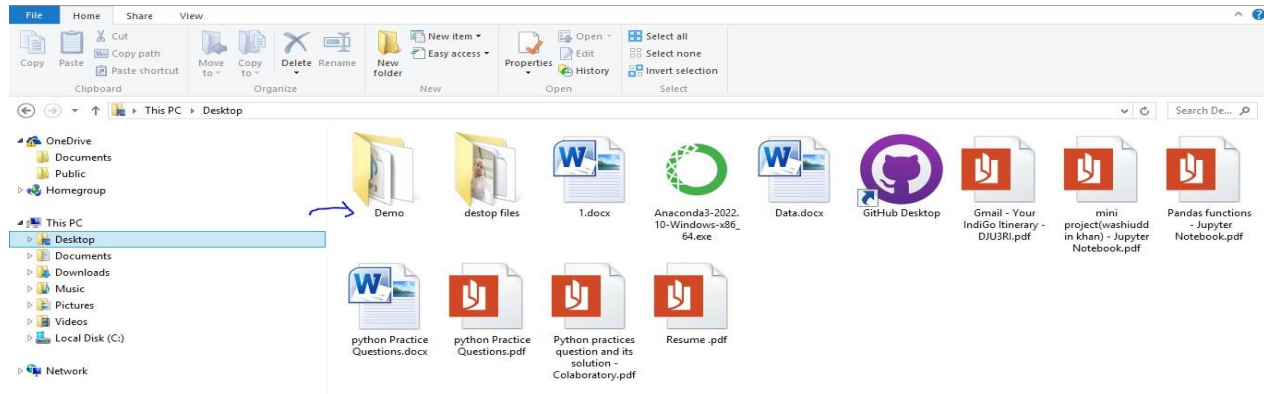## ➤ **Procedures which I had followed according to given condition**

Step-1: I had made a folder I.e. Demo on desktop

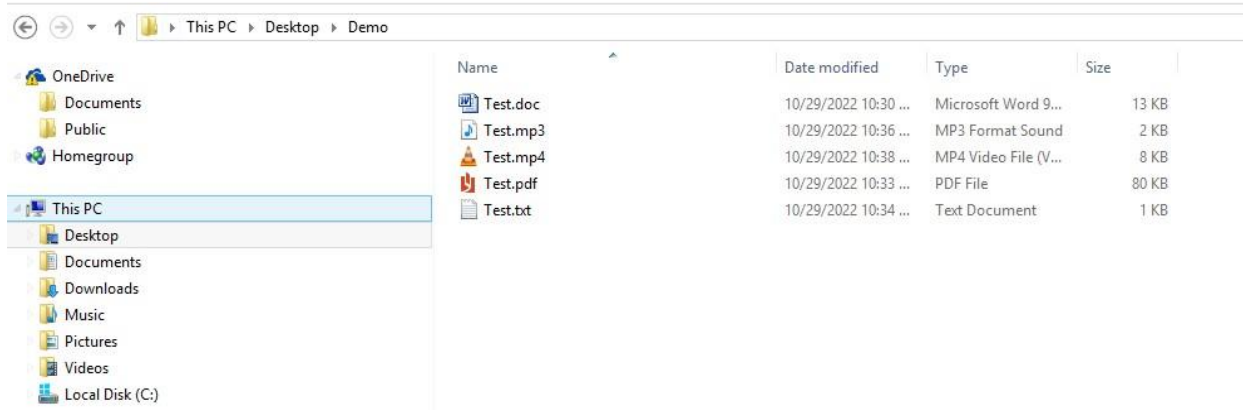**Step-2: Then I had made five files i.e. Test.doc, Test.mp3, Test.mp4, Test.pdf, Test.text inside the Demo folder**

import os

#printing files from folder i.e. Demo.

path = "C://Users//Saif//Desktop//Demo"

dir_list = os.listdir(path)

print(dir_list)

Step-3: The, I make folders according to files which is inside the Demo folder by using os.mkdir().

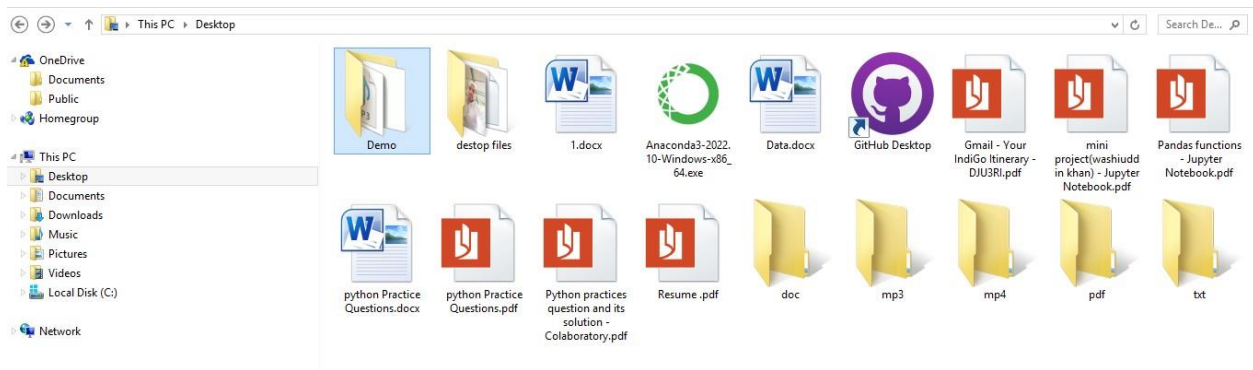#creating folder according to the files which is present in Demo folder...

for i in dir_list:

print(i)

   parent_dir = "C://Users//Saif//Desktop//"

   path = os.path.join(parent_dir, i[-3:])

   os.mkdir(path)

Step-4: Move the respective extent ion files to the folders

import shutil

source = "C://Users//Saif//Desktop//Demo"

destination1 = "C://Users//Saif//Desktop//txt"

destination2 = "C://Users//Saif//Desktop//doc"

destination3 = "C://Users//Saif//Desktop//pdf"

destination4 = "C://Users//Saif//Desktop//mp4"

destination5 = "C://Users//Saif//Desktop//mp3"

gather all files

allfiles = os.listdir(source)

```python
#iterate on all files to move them to their destination folder

for f in allfiles:

#    print(f[-3:])

    if f[-3:] == "doc":

        src_path = os.path.join(source, f)

        dst_path = os.path.join(destination2, f)

        shutil.move(src_path, dst_path)

    elif f[-3:] == "mp3":

        src_path = os.path.join(source, f)

        dst_path = os.path.join(destination5, f)

        shutil.move(src_path, dst_path)

    elif f[-3:] == "mp4":

        src_path = os.path.join(source, f)

        dst_path = os.path.join(destination4, f)

        shutil.move(src_path, dst_path)

    elif f[-3:] == "pdf":

        src_path = os.path.join(source, f)

        dst_path = os.path.join(destination3, f)

        shutil.move(src_path, dst_path)

    else:

        src_path = os.path.join(source, f)

        dst_path = os.path.join(destination1, f)

        shutil.move(src_path, dst_path)
```
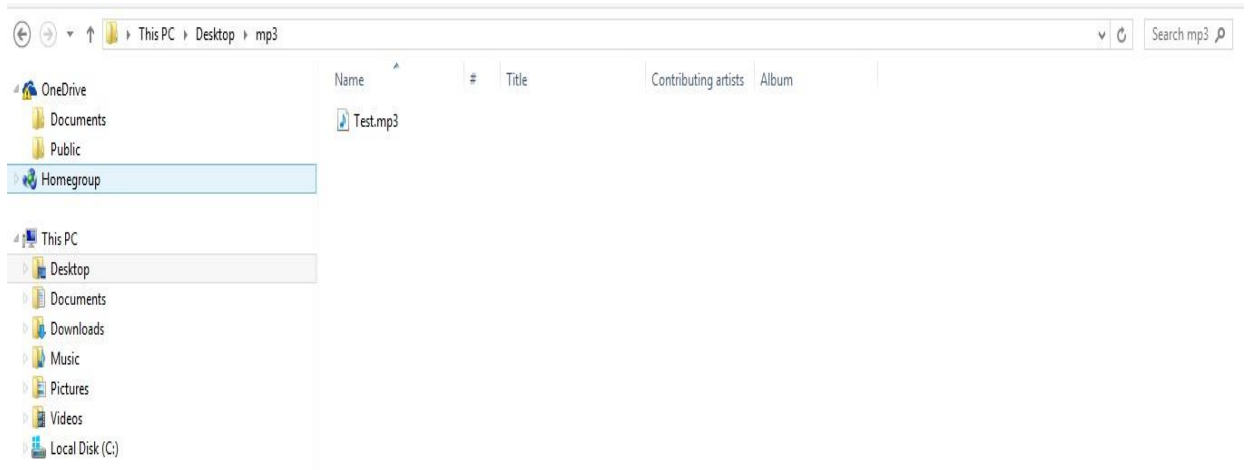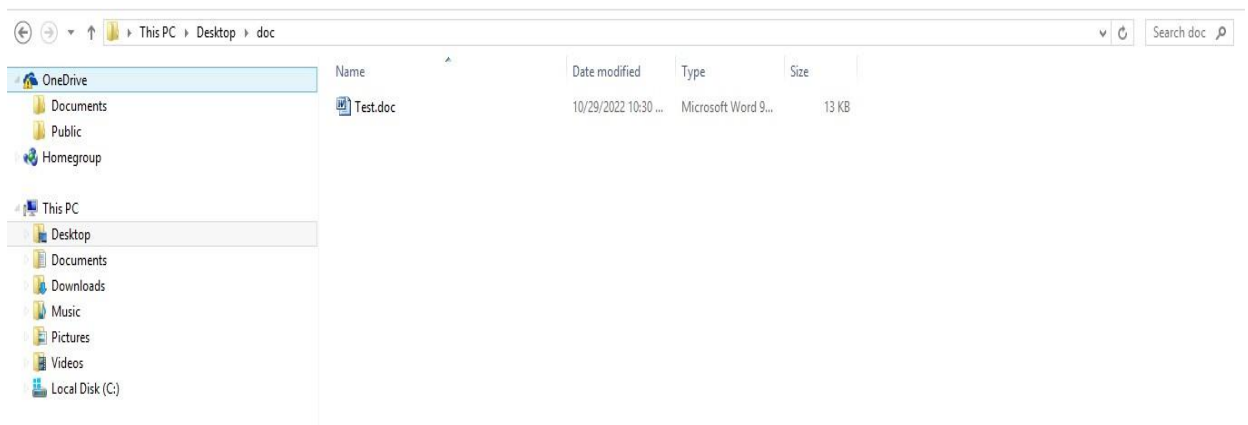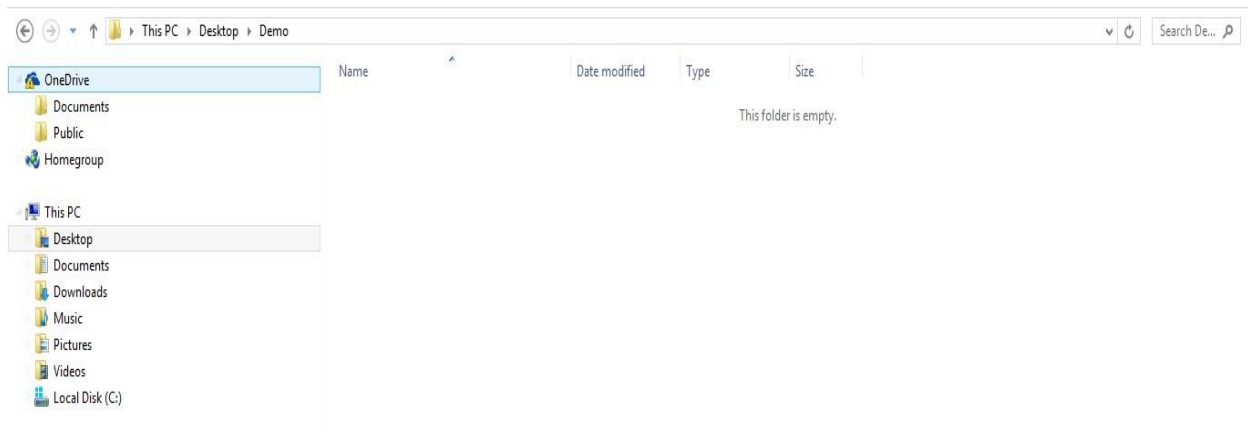
Test.mp4

Source codes:

```
In [ ]:   #Assignment - mini project
          # take a folder which consist of different files
          # based on the extention using the program create folders
          # move the respective extention files to the folders


          '''
          folder : test.pdf, test.doc, test.mp4, test.mp3, test.txt

          new folder based on files :
           pdf, doc, mp4,mp3,txt

          pdf : test.pdf
          doc: test.doc ...
          '''
```

```
In [66]:  import os
```

```
In [67]:  #printing files from folder i.e. Demo.
          path = "C://Users//Saif//Desktop//Demo"
          dir_list = os.listdir(path)
          print(dir_list)
```

```
          ['Test.doc', 'Test.mp3', 'Test.mp4', 'Test.pdf', 'Test.txt']
```

```
In [68]:  #creating folder according to the files which is present in Demo folder..
          for i in dir_list:
          #     print(i)
              parent_dir = "C://Users//Saif//Desktop//"
              path = os.path.join(parent_dir, i[-3:])
              os.mkdir(path)
```

```
In [69]:  import shutil
```

```
In [70]:  source = "C://Users//Saif//Desktop//Demo"

          destination1 = "C://Users//Saif//Desktop//txt"
          destination2 = "C://Users//Saif//Desktop//doc"
          destination3 = "C://Users//Saif//Desktop//pdf"
          destination4 = "C://Users//Saif//Desktop//mp4"
          destination5 = "C://Users//Saif//Desktop//mp3"

          # gather all files
          allfiles = os.listdir(source)
          #iterate on all files to move them to their  destination folder
          for f in allfiles:
          #     print(f[-3:])
              if f[-3:] == "doc":
                  src_path = os.path.join(source, f)
                  dst_path = os.path.join(destination2, f)
                  shutil.move(src_path, dst_path)
              elif f[-3:] == "mp3":
                  src_path = os.path.join(source, f)
                  dst_path = os.path.join(destination5, f)
                  shutil.move(src_path, dst_path)
              elif f[-3:] == "mp4":
                  src_path = os.path.join(source, f)
                  dst_path = os.path.join(destination4, f)
                  shutil.move(src_path, dst_path)
              elif f[-3:] == "pdf":
                  src_path = os.path.join(source, f)
                  dst_path = os.path.join(destination3, f)
                  shutil.move(src_path, dst_path)
              else:
                  src_path = os.path.join(source, f)
                  dst_path = os.path.join(destination1, f)
                  shutil.move(src_path, dst_path)
```