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**TOPIC:-**

**Design and implement python code for backing up a folder into Zipfile**

Program:

from zipfile import ZipFile

import os

def get\_all\_file\_paths(directory):

file\_paths = []

# crawling through directory and subdirectories

for root, directories, files in os.walk(directory):

for filename in files:

# join the two strings in order to form the full filepath.

filepath = os.path.join(root, filename)

file\_paths.append(filepath)

# returning all file paths

return file\_paths

def main():

# path to folder which needs to be zipped

directory = './python\_files'

# calling function to get all file paths in the directory

file\_paths = get\_all\_file\_paths(directory)

# printing the list of all files to be zipped

print('Following files will be zipped:')

for file\_name in file\_paths:

print(file\_name)

# writing files to a zipfile

with ZipFile('my\_python\_files.zip','w') as zip:

# writing each file one by one

for file in file\_paths:

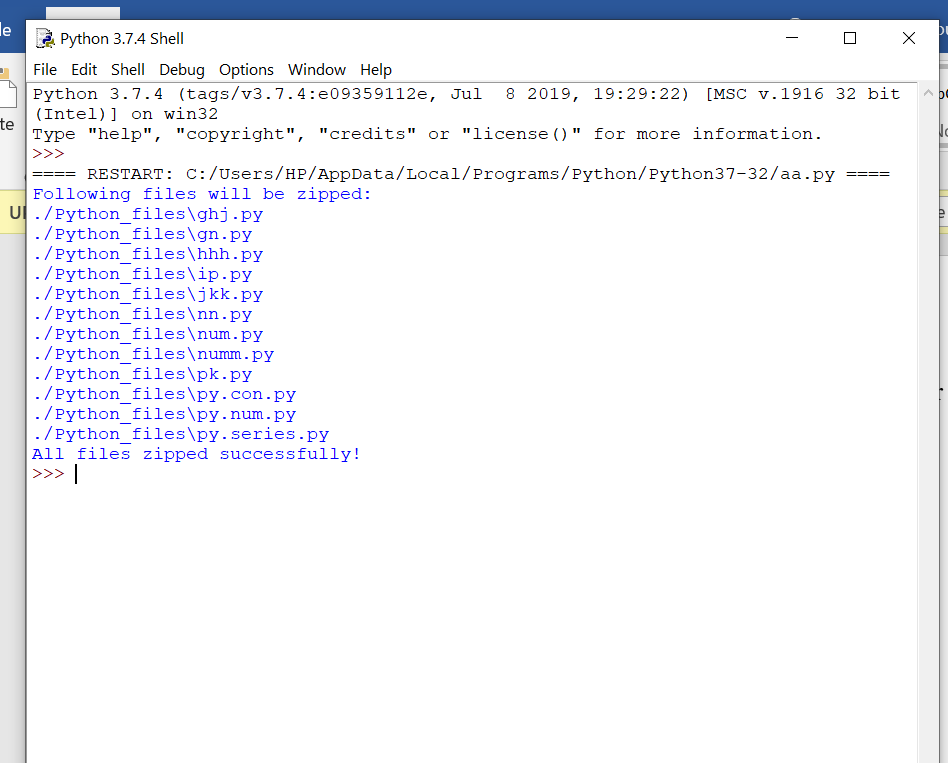
zip.write(file)

print('All files zipped successfully!')

if \_\_name\_\_ == "\_\_main\_\_":

main()

program output:



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