Assignment-9(RID:001,Madhur Jodhwani)

1.Write a program which accepts file name from user and check whether that file exists in current directory or not.

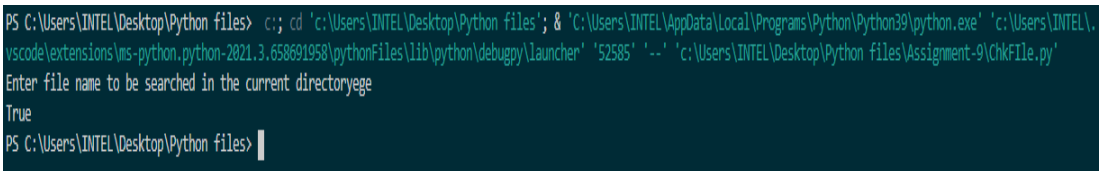
Input : Demo.txt

Check whether Demo.txt exists or not.

Code:

```
import os
from os import path

def ChkFile(str):
    return path.exists(str)

def main():
    string=input("Enter file name to be searched in the current d
irectory")
    print(ChkFile(string))

if __name__=="__main__":
    main()
```

Output:



2. Write a program which accept file name from user and open that file and display the contents of that file on screen.

Input : Demo.txt

Display contents of Demo.txt on console.

Output:

```
def main():
```

```
    fobj=open(input("Enter the name of the file: "),"r")
    print(fobj.read())

if __name__=="__main__":
    main()
```

```
PS C:\Users\INTEL\Desktop\Python files>  c:; cd 'c:\Users\INTEL\Desktop\Python files'; & 'C:\Users\INTEL\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\INTEL\.
vscode\extensions\ms-python.python-2021.3.658691958\pythonFiles\lib\python\debugpy\launcher' '52698' '--' 'c:\Users\INTEL\Desktop\Python files\Assignment-9\PrintFIle.py'
Enter File Name whose contents need to be displayed: ege
import threading

def Even(value):
    print("Inside Even function")
    for i in range(1,2*value):
        if i%2==0:
            print(i)

def Odd(value):
    print("Inside Odd function")
    for i in range(1,2*value):
        if i%2!=0:
            print(i)

def main():
    print("Inside Main")
    print("Enter Number")
    no=int(input())
    t1=threading.Thread(target=Even,args=(no,))
    t2=threading.Thread(target=Odd,args=(no,))
    t1.start()
    t2.start()


if __name__=="__main__":
    main()
PS C:\Users\INTEL\Desktop\Python files>
```


3.Write a program which accept file name from user and create new file named as Demo.txt and copy all contents from existing file into new file. Accept file name through command line arguments.

Input : ABC.txt

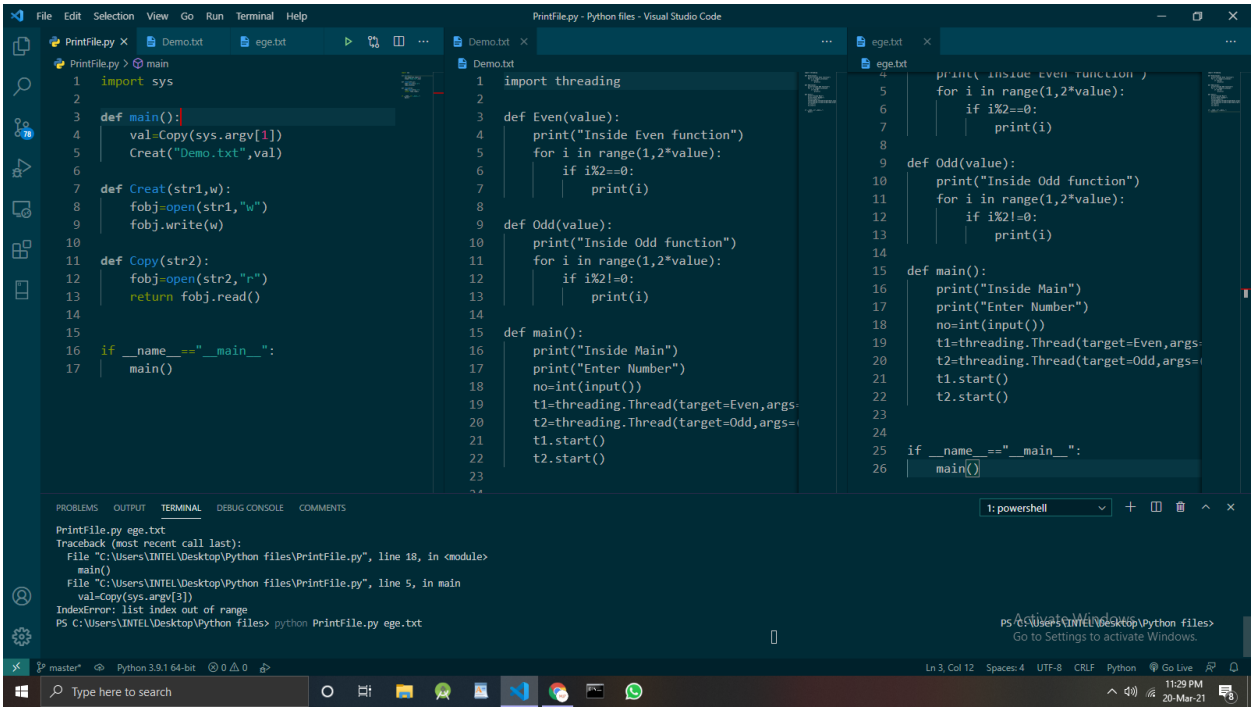
Create new file as Demo.txt and copy contents of ABC.txt in Demo.txt

Code:

```
import sys

def main():
    val=Copy(sys.argv[1])
    Creat("Demo.txt",val)

def Creat(str1,w):
    fobj=open(str1,"w")
    fobj.write(w)

def Copy(str2):
```

```
    fobj=open(str2,"r")
    return fobj.read()


if __name__=="__main__":
    main()
```

Output:



4.Write a program which accept two file names from user and compare contents of both the files. If both the files contains same contents then display success otherwise display failure. Accept names of both the files from command line.

Input : Demo.txt Hello.txt

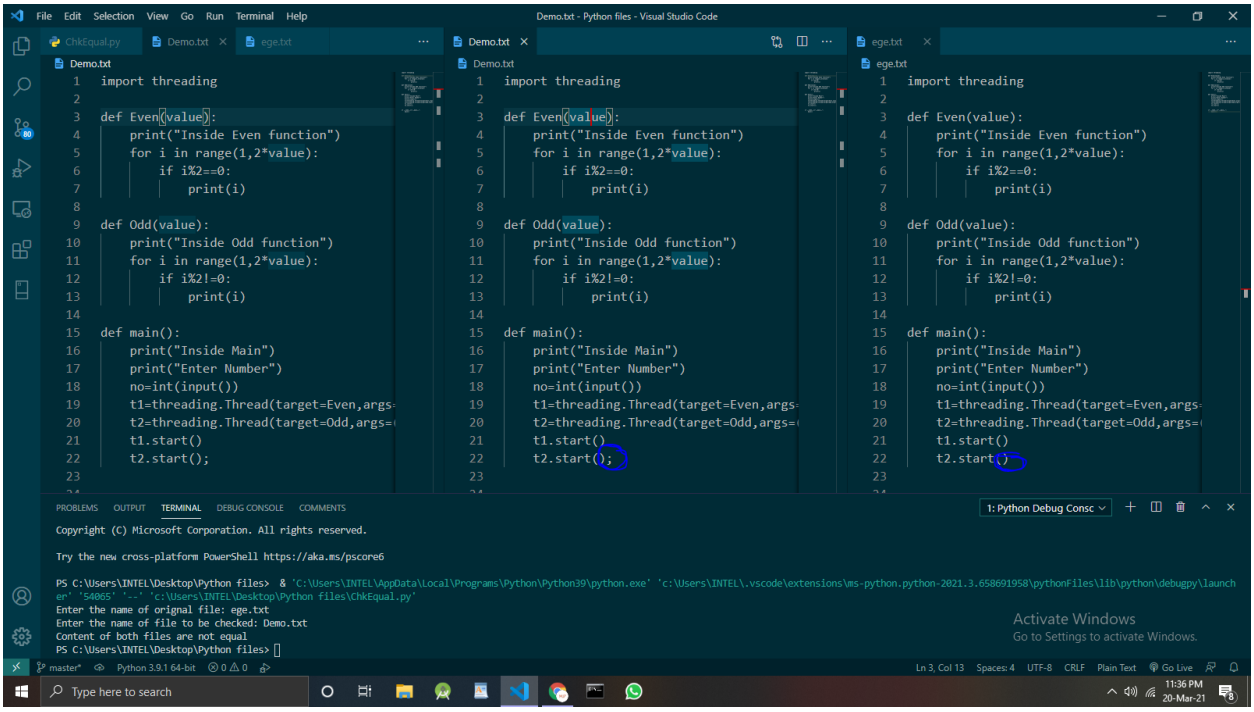
Compare contents of Demo.txt and Hello.txt

Code:

```
def ChkEqual(str1,str2):
    fobj1=open(str1,"r")
    fobj2=open(str2,"r")
    val1,val2=fobj1.read(),fobj2.read()
```

```
    return val1==val2

def main():
    name1=input("Enter the name of orignal file: ")
    name2=input("Enter the name of file to be checked: ")
    ans=ChkEqual(name1,name2)
    if ans==True:
        print("Content of both files are equal")
    else:
         print("Content of both files are not equal")

if __name__=="__main__":
    main()
```

Output:



5. Accept file name and one string from user and return the frequency of that string from file.

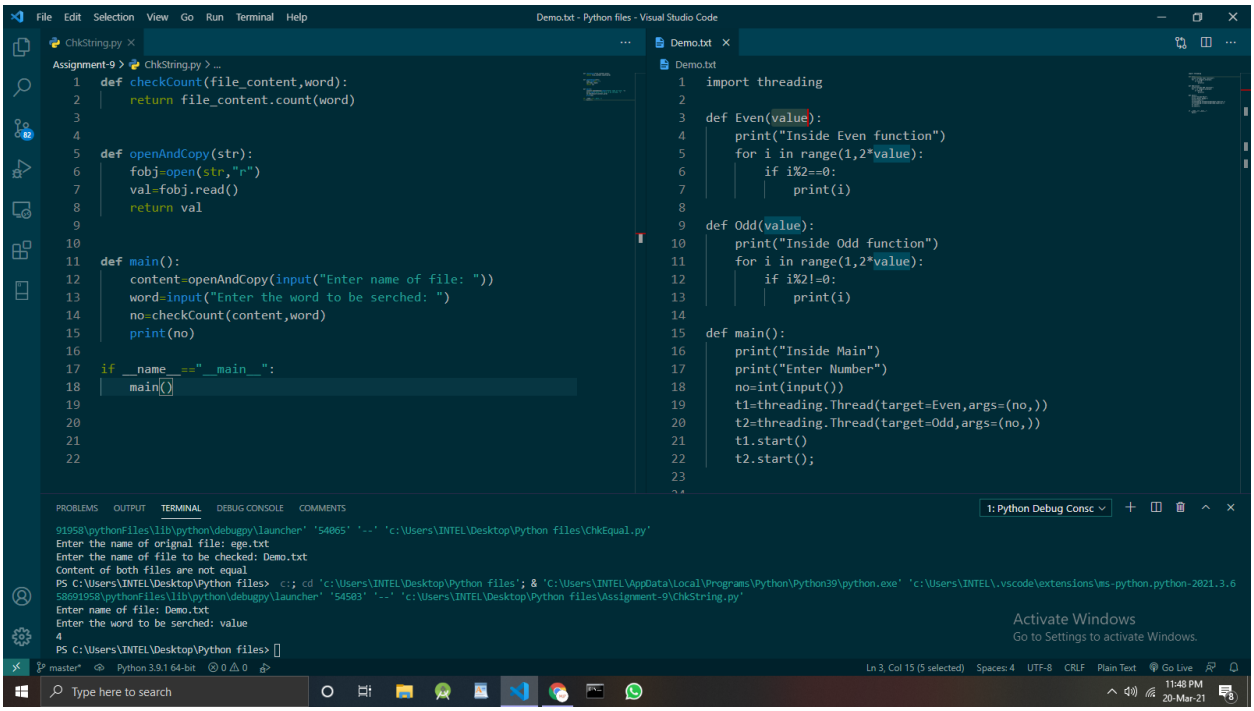
Input : Demo.txt Marvellous

Search “Marvellous” in Demo.txt

Code:

```
def checkCount(file_content,word):
    return file_content.count(word)


def openAndCopy(str):
    fobj=open(str,"r")
    val=fobj.read()
    return val


def main():
    content=openAndCopy(input("Enter name of file: "))
    word=input("Enter the word to be searched: ")
    no=checkCount(content,word)
    print(no)

if __name__=="__main__":
    main()
```

Output:


File Edit Selection View Go Run Terminal Help
Demo.txt - Python files - Visual Studio Code
ChkString.py
Assignment-9 > ChkString.py > ...
def checkCount(file_content,word):
return file_content.count(word)
def openAndCopy(str):
fobj=open(str,"r")
val=fobj.read()
return val
def main():
content=openAndCopy(input("Enter name of file: "))
word=input("Enter the word to be serched: ")
no=checkCount(content,word)
print(no)
if __name__=="__main__":
main()
Demo.txt
import threading
def Even(value):
print("Inside Even function")
for i in range(1,2*value):
if i%2==0:
print(i)
def Odd(value):
print("Inside Odd function")
for i in range(1,2*value):
if i%2!=0:
print(i)
def main():
print("Inside Main")
print("Enter Number")
no=int(input())
t1=threading.Thread(target=Even,args=(no,))
t2=threading.Thread(target=Odd,args=(no,))
t1.start()
t2.start();
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE COMMENTS
1: Python Debug Consc
91958\pythonFiles\lib\python\debugpy\launcher' '54065' '--' 'c:\Users\INTEL\Desktop\Python files\ChkEqual.py'
Enter the name of orignal file: ege.txt
Enter the name of file to be checked: Demo.txt
Content of both files are not equal
PS C:\Users\INTEL\Desktop\Python files> c:; cd 'c:\Users\INTEL\Desktop\Python files'; & 'C:\Users\INTEL\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\INTEL\.vscode\extensions\ms-python.python-2021.3.6
58891958\pythonFiles\lib\python\debugpy\launcher' '54503' '--' 'c:\Users\INTEL\Desktop\Python files\Assignment-9\ChkString.py'
Enter name of file: Demo.txt
Enter the word to be serched: value
4
PS C:\Users\INTEL\Desktop\Python files>
Activate Windows
Go to Settings to activate Windows.
master* Python 3.9.1 64-bit 0 0
Ln 3, Col 15 (5 selected) Spaces: 4 UTF-8 CRLF Plain Text Go Live
Type here to search
11:48 PM
20-Mar-21