

Files

File Operations

```
"""File Handling"""
print("Creating the file with x")
f=open("hello.txt","x")
print("Yes!Created")
f.close()

print("Now writing to the file...")
f=open("hello.txt","w")
f.write("Hello")
f.write("\n")
f.write("Kiran\n")
f.close()

print("Now appending to the file...")
with open("hello.txt","a",encoding="utf-8") as f:
    f.write("Hi\n")
    f.write("Sarada")

t=open("hello.txt","r")
print("Reading first 5 characters")
print(t.read(5))
t.close()

t=open("hello.txt","r")
print("Read all the characters")
print(t.read())
t.close()
```

Result:

```
Creating the file with x
Yes!Created
Now writing to the file...
Now appending to the file...
Reading first 5 characters
Hello
Read all the characters
Hello
Kiran
Hi
Sarada
```

More Operations

```
"""More File Operations"""
try:
    f=open(r".\hello.txt","r")
    print("Yes!File Opened!!! \n")
    print("Read first 5 characters")
    print(f.read(5))

    print("Read all characters")
    print(f.read())

    print("\nSending back to pointer to the first character")
    print("Read Again!")
    f.seek(0)
    print(f.read())

    print("\nWhere is the cursor? {}".format(f.tell()))

    print("Reading n=3 lines")
    f.seek(0)
    for i in range(0,3):
        f1=f.readline()
        print(f1,end="")
except:
    print("file does not exists")
finally:
    f.close()
```

Result:

Yes!File Opened!!!

Read first 5 characters

Hello

Read all characters

Kiran

Hi

Sarada

Sending back to pointer to the first character

Read Again!

Hello

Kiran

Hi

Sarada

Where is the cursor? 24

Reading n=3 lines

Hello

Kiran

Hi

Files Programs

1. Write a Python program to read an entire text file.
2. Write a Python program to read first n lines of a file
3. Write a Python program to append text to a file and display the text.
4. Write a Python program to read last n lines of a file.
5. Write a Python program to read a file line by line and store it into a list.
6. Write a Python program to read a file line by line store it into a variable.
7. Write a Python program to read a file line by line store it into an array.
8. Write a python program to find the longest words.
9. Write a Python program to count the number of lines in a text file.
10. Write a Python program to count the frequency of words in a file.
11. Write a Python program to get the file size of a plain file.
12. Write a Python program to write a list to a file.
13. Write a Python program to copy the contents of a file to another file .
14. Write a Python program to combine each line from first file with the corresponding line in second file.
15. Write a Python program to read a random line from a file
16. Write a Python program to assess if a file is closed or not.
17. Write a Python program to remove newline characters from a file.
18. Write a Python program that takes a text file as input and returns the number of words of a given text file.
Note: Some words can be separated by a comma with no space.
19. Write a Python program to extract characters from various text files and puts them into a list.
20. Write a Python program to generate 26 text files named A.txt, B.txt, and so on up to Z.txt.
21. Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line.