

Python Programming - 2101CS405

Lab - 8

File handling

```
In [ ]: Name :- VORA YAGNIK  
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```

A

01) WAP to read entire file named abc.txt

```
In [2]: file = open("abc.txt", "r")  
print(file.read())
```

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

02) WAP to print program it self on console.

```
In [3]: file = open("demo.py", "r")
        print(file.read())
```

```
def demo(a):
    print(a)
```

```
demo("Hello World");
```

03) WAP to read first 5 lines from the file named abc.txt

```
In [4]: file = open("abc.txt", "r")
        for _ in range(5):
            c = file.readline()
            if c:
                print(c)
            else:
                break
```

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electronic typesetting, remaining essentially unchanged. It was popularised in

04) WAP to find the longest word in a file named abc.txt

```
In [5]: file = open("abc.txt", "r")
        words = file.read().split()
        print(max(words, key=len))
```

typesetting,

05) WAP to find the size of the file named abc.txt

```
In [10]: file = open("abc.txt", "r")
        file.seek(0)
        print("Size of file is :", len(file.read()))
```

Size of file is : 1729

06) WAP to implement search function to search specific occurrence of word in a given text file.

```
In [20]: file = open("abc.txt", "r")
        file.seek(0)
        list = file.read().lower().split(" ")
        word = input("Enter a Word to search : ")
        word = word.lower()
        wc = 0
        wc = list.count(word)
        print(wc)
```

8

B

01) WAP to write first 100 prime numbers to a file named primenumbers.txt

(Note: each number should be in new line)

```
In [31]: file = open("primenumbers.txt", "w")
        for i in range(1, 100):
            flag = False
            for j in range(2, i):
                if(i%j != 0):
                    flag = True
            if(flag):
                file.write(str(i)+"\n")
```

02) WAP to merge two files and write it in a new file.

```
In [12]: f1 = open("abc.txt", "r")
f2 = open("xyz.txt", "r")
f3 = open("pqr.txt", "w+")

f3.writelines(f1.readlines())
f3.writelines(f2.readlines())
```

03) WAP to encrypt a text file.

```
In [7]: import string
s = string.ascii_letters
b = "URXjqY0guKkbANeSiZECMQHPiVgzncBVpmwDhadTsxLWJfrloytF"

def encode(word):
    x = ""
    for i in word:
        temp = s.find(i)
        x += b[temp]
    return x
text = input("Enter a string to encrypt : ")
print(encode(text))
```

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04) WAP to decrypt a previously encrypted file.

```
In [10]: import string
s = string.ascii_letters
b = "URXjqY0guKkbANeSiZECMQHPiVgzncBVpmwDhadTsxLWJfrloytF"

def decode(word):
    x = ""
    for i in word:
        temp = b.find(i)
        x += s[temp]
    return x

text = input("Enter a string to decrypt : ")
print(decode(text))
```

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05) WAP to remove a word from text file.

```
In [43]: import shutil
word = input("Enter Word remove : ")
file = open("abc.txt", "r+")
new_file = open("temp.txt", "w+")
for line in file:
    new_line = line.replace(word, "")
    new_file.write(new_line)

shutil.copyfile("temp.txt", "abc.txt")
```

```
Out[43]: 'abc.txt'
```