

Task Implement various file operations
10/9/25

Aim:- To write a python program for creating and updating student registration details using file operations.

Algorithm:-

Step 1:- Start

Step 2:- Using open() method, create and write text file "my file" with student details.

Step 3:- Update the new registered student details using append operation on it.

Step 4:- Open the file in read mode and using read() method print the student details.

Step 5:- Using seek() method print the particular student record.

Step 6:- Close the file

Step 7:- Stop

Program:-

```
file = open("student1.txt", "w")
```

```
input1 = input("Enter column wise name\n")
```

~~file.write(input1)~~~~file.write("\n")~~

```
n = int(input("Enter the no of students"))
```

```
for i in range(0, n):
```

Output

student details using Read function,

NTU NO	NAME	AGE
--------	------	-----

2305	RAM	20
------	-----	----

1920	SIVD	19
------	------	----

2305	RAM	20
------	-----	----

1920	SHIVA	19
------	-------	----

The length of first line is
15

Output of readline function is

2305 RAM 20

Find the current position of file pointer

29

file.seek(0)

print("The length of first line is :")

line = file.readline()

len = len(line)

print(len)

file.seek(len+1)

print("Output of readline (first student record)
function is :")

print(file.readline())

print("To find the current position of file
pointer:")

F = file.tell()

print(F)

file.close,

Result:- Thus, the Python program for creating
and updating student registration details
using text file operations was executed successfully

Output

Number of lines with F

#2 Counting Cases.

Aim: Construct a Python file program whose file name is "merge.txt" to illustrate the below content inside of the file.

INPUT:

filename : merge.txt

output : S, H8, 4

#Step 1: Create and write content to file

```
with open("merge.txt", "w") as f:
```

```
f.write("Python is a high level language, developed  
by Guido van Rossum in 1991")
```

#Step 2: Open file for reading

```
with open("merge.txt", "r") as f:  
    text = f.read()
```

#Step 3: Initialize counters

upper - count = 0

lower - count = 0

digit - count = 0

#Step 4: Count uppercase, lowercase, and digit

for char in text:

if char.isupper():

upper - count += 1

```
if char.isdigit():  
    digit_count += 1
```

#Step 5: Print the result

```
print("Upper Case letters:", upper_count)
```

```
print("Lower Case letters:", lower_count)
```

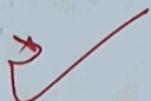
```
print("Digits:", digit_count)
```

#Compact output as required

```
print("Digits:", digit_count)
```

```
print(f'{upper_count}, {lower_count},  
{digit_count}')
```

VEL TECH	
EX No.	7
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	15
IN WITH DATE	



Result:- Thus, the program has been verified
and executed successfully