

● Task 09

Topics: File Reading & Writing, Try, Except & Finally

File Reading

```
main.py
1 filename = 'learning_python.txt'
2
3 """Reading File as a whole"""
4 with open(filename) as file_object:
5     contents = file_object.read()
6     print(contents.rstrip())
7
8 """Reading File using a Loop"""
9 with open(filename) as file_object:
10     for line in file_object:
11         print(line)
12
13 """Reading File as a List"""
14 with open(filename) as file_object:
15     lines = file_object.readlines()
16
17 for line in lines:
18     print(line.rstrip())
```

File Reading



main.py

```
1 filename = 'learning_python.txt'
2
3 with open(filename) as file_object:
4     print("\n")
5     print("Contents before Replace method!!!")
6     for line in file_object:
7         print(line.rstrip())
8
9 with open(filename) as file_object:
10    print("\n")
11    print("Contents after Replace method")
12    for line in file_object:
13        print(line.replace('python', 'C++').rstrip())
```

File Writing

main.py

```
1 name = input("Enter your name:")
2
3 file = 'guest.txt'
4 with open(file, 'w') as file_object:
5     file_object.write("\n-"+name.title()+"\n")
6
```

Enter your name:Nauman

✂

File Writing 🙌 🙌

```
main.py
1 file = "programming_poll.txt"
2
3 with open(file, 'w') as file_object:
4     file_object.write("Reasons to like Programming \n")
5
6 active = True
7 while active:
8     reason = input("Enter reason why you like
programming:\n")
9     with open(file, 'a') as file_object:
10         file_object.write('\n- '+reason+' \n')
11
12     choice = input("Enter 'x' to exit else enter any key
to continue..!!\n")
13     if choice.lower() == 'x':
14         active = False
```

```
Enter reason why you like programming:
For better future
Enter 'x' to exit else enter any key to continue..!!
x
>
```

Exception (Addition Calculator)

```
main.py
1 print("Enter 'q' at any time to quit.\n")
2
3 while True:
4     try:
5         x = input("\nGive me a number: ")
6         if x == 'q':
7             break
8
9         x = int(x)
10
11         y = input("Give me another number: ")
12         if y == 'q':
13             break
14
15         y = int(y)
16
17     except ValueError:
18         print("Sorry, I really needed a number.")
19
20     else:
21         sum = x + y
22         print("The sum of " + str(x) + " and " + str(y) +
" is " + str(sum) + ".")
```

```
Enter 'q' at any time to quit.

Give me a number: 2
Give me another number: 4
The sum of 2 and 4 is 6.

Give me a number: 3
Give me another number: 9
The sum of 3 and 9 is 12.

Give me a number: 26
Give me another number: 25
The sum of 26 and 25 is 51.

Give me a number: 89
Give me another number: 25
The sum of 89 and 25 is 114.

Give me a number: 
```

End