

## EXCEPTION AND FILE HANDLING

# Agenda

---

- Introduction
- Open, read and write modes
- Adding text, counting characters
- Readline functions
- Try and except
- Try with else clause
- Finally keyword

# Introduction

# Dealing with text files

---

- Dealing with text files is known as File Handling or even called as File I/O functions.
- There are different functions involved , which helps to read, write, append, alter and perform many other functions.
- The IDE used is PyCharm and python version 3.9.1 or above

# Open, read and write modes

# Open, read and write modes

---

## Open mode

This mode is used whenever you want to open your text file for reading , writing or doing some other stuffs.

## Read mode

This mode is used whenever you want to read the text which is already stored in Your text file

## Write mode

This mode is used whenever you want to write the text in your .txt file

# Adding text, counting characters

# Adding text, counting characters

---

## Append function

- Append function helps us to add the text in your .txt file.
- The mode used is 'a' for appending means adding or writing some text to the file.
- For adding text to the file in a new line use \n before writing the sentence to be added.

## Len function

- To count the characters in a text file len() is the function used.
- Firstly we open the file and read that using the functions .
- And after the reading of the text len function is assigned with the variable to find the count of characters



# Readline functions

# Readline function

---

- This readline function helps us to read the text line by line.
- For using this function , firstly open file is needed and in whatever way you want you can open the file, either read or write.
- Then accordingly use the readline function to read the lines accordingly in the form of line by line.

# Try and Except

# Try and Except Statement

---

- The code written inside the try block executes if the code is error free.
- If the code is not error free then the except block gets executed and results an exception.
- A try statement can have more than one except statement.

Syntax :

try:

Statement

except :

Exception

# Try with else clause

# Try with else clause

---

- Else clause is used with the try clause when you want to execute the set of instructions in the absence of exceptions in your code.

Syntax :

```
try:  
    print(" ")  
except :  
    print(" ")  
else:  
    print(" ")
```

# Finally Keyword

# Finally Keyword

---

- Finally is a keyword which surely executes after the execution of the try and except block of statement.

```
try:  
    print(" ")  
except:  
    print(" ")  
else : # Exceptional  
    print(" ")  
finally:  
    print(" ")
```



# Summary

---

*Let's take a quick recap*

# Thank You