File Handling:

file handling and allows users to handle files i.e., to read and write files, along with many other file handling options, to operate on files.

Advantages of File Handling in Python: Versatility, Flexibility, User – friendly and Cross-platform

File Handling

The key function for working with files in Python is the open() function.

The open() function takes two parameters; filename, and mode.

There are four different methods (modes) for opening a file:

- "r" Read Default value. Opens a file for reading, error if the file does not exist
- "a" Append Opens a file for appending, creates the file if it does not exist
- "w" Write Opens a file for writing, creates the file if it does not exist
- "x" Create Creates the specified file, returns an error if the file exists

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Syntax!- (+0 open al soul a file)
    f = open (" path ", "mode")
Example: ( To Read a file)
   with open ("file-path", "8") as file:
        File_data = (file sead())
          Point (file-data).
Example: (To write a file)
1. filesty:-
      with open ( "sample othet", "w") as file:
            file . write ( 11 This line is Inserted from fileopy in 1)
           Pile: worke (" This is seconde line in!)

File . worke (" This is This d line in")
```

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Road Lines :-
      · readline() :- reads only one line
     · Scootlines ():- seads all lines as a paga
    Update :-
    Example:
     with open (11 simple otat 11, 11811) as File:
             lines = file . seadlines()
     lines[1] = "This line is uplated"
    with open ("simple that", "w1) as file:
          file . writelines (lines)
   with open (1. simple otat 1), 1811-) as file:
        file - data = (file . sead())
       Point (file-deda)
To Delete: - (Removing a File)
    1. Use Pythons os module to delete files.
   20 Ensure the Fite Exista Before deleting.
   Example;
    impost os
    if oso path o exists (" path frample , tout 11) .
          Os. remove ( " Path -/sample ofxer)
          Point (4 File deleted)
    clseo
       Print (" File does not exists")
  Note: Always check before if file exists before
         performing operations.
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=) of use ment to semove a Posticular line in a file Just updale the salton line with empty string. Example: with open ("path./simple about ", "8") as file. lines = file. sandlines() Lines[i] = 11 11 with open ("path/simple that ","w") as file: file. writelines (lines) with open (" " puth (simple text ", " p") as file? file soulhors. file -tula = (file . sead ()) Point (file -data) File Paths: Relative path: Refere to the file Location selative to the Ex: 1 Subfolder /file otat) Absolute path: - Refers to the complete file Location Ex: 1 c: (Users/Name / Documents / file = tect 1

Example: - (Read function)

det send (f_name, m):

With open (f_name, m) as file:

temp=file.sead()

Schwin temp.

Posint (sead ("sample text", "s"))

TASK: - Coease a file perform curp operations.