In [ ]:
```
#Open a file and read all content
f = open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8")
print(f.read())
f.close()
```

In [ ]:
```
#Read only the first line
f = open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8")
print(f.readline())
f.close()
```

In [ ]:
```
#Read all lines (list of lines)
f = open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8")
lines = f.readlines()
print(lines)
f.close()
```

In [ ]:
```
#Using with (auto close)

with open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8") as f:
    data = f.read()
    print(data)
```

In [ ]:
```
#Read first 20 characters
with open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8") as f:
    print(f.read(20))
```

In [ ]:
```
#get all the lines as a list
f = open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8")
lines = f.read().splitlines()
print(type(lines))
print(lines)
f.close()
```

In [ ]:
```
#Append text to the file
with open("C:/Users/palak/Desktop/file_text.txt", "a", encoding="utf-8") as f:
    f.write("\nThis line was appended successfully.")
```

In [ ]:
```
#Write into a new file
with open("C:/Users/palak/Desktop/new_file.txt", "w", encoding="utf-8") as f:
    f.write("This is a new file created using write mode.")
```

In [ ]:
```
#. Copy content to another file
with open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8") as src:
    data = src.read()

with open("C:/Users/palak/Desktop/copy_file.txt", "w", encoding="utf-8") as dst:
    dst.write(data)
```

In [ ]:
```
#Count number of lines

count = 0
with open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8") as f:
```

```
    for _ in f:
        count += 1

print("Total lines:", count)
```

In [ ]:
```
#Search for a word
word = "Course"

with open("C:/Users/palak/Desktop/file_text.txt", "r", encoding="utf-8") as f:
    for line in f:
        if word.lower() in line.lower():
            print("Found:", line.strip())
```

In [ ]:
```
#Delete a file

import os

file_path = "C:/Users/palak/Desktop/old_file.txt"

if os.path.exists(file_path):
    os.remove(file_path)
    print("File deleted.")
else:
    print("File does not exist.")
```

In [28]:
```
#Get current working directory

import os

print(os.getcwd())
```

```
C:\Users\palak
```

In [29]:
```
#List all files in a folder
import os

folder = "C:/Users/palak/Desktop"

files = os.listdir(folder)

print("Files in Desktop:")
for f in files:
    print(f)
```

```
Files in Desktop:
5- Seaborn.pdf
aa05d858752700adcf734b7cdb7a699f_MIT6_0002F16_lec10.pdf
academic calender.pdf
akshay
ANN JupyterLab.pdf
back prop.pptx
BBA functions.ipynb - Colab.pdf
bba lab mst.docx
bba lab mst.pdf
BBA List - Colab.pdf
bba list mst.docx
bba list mst.pdf
BBA1 LAB Array2 - Colab.pdf
BBA1 LAB- Array I - Colab.pdf
BTECH 1 LAB- Array I - Colab.pdf
BTech CU Demo-maps - Colab.pdf
BTech_ Data Frames - Colab.pdf
BTech_ Pandas series - Colab.pdf
Cancer_Data.csv
Central University of Jammu Mail - IIT Bombay, e-Yantra Lab Setup Initiative (eLSI)_
Confirmation and important instructions to attend the Three Day Workshop at Indian I
nstitute of Technology Bombay, Mumbai - Self Balancing Robot Design (SBR) - 15th t.p
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diff list array.pptx
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F500.csv
File_handling.pdf
file_text.txt
for similarity check.docx
Functions Exercise (3).docx
Graphs and Histogram - Colab.pdf
Histogram - Colab.pdf
i-manager Publications, imanager Publications, i-manager’s Journals, Scientific Jour
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Strings_pdf_1b.pdf
tips.csv
UGC-HRDC BHU - schedule of courses 2025-26.pdf
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underwater_paper_final_copy.docx
updated bio.docx
WhatsApp Image 2025-11-25 at 16.23.29_6845d659.jpg
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~$w Microsoft Word Document.docx
~WRL1484.tmp
~WRL2068.tmp
```

In [31]:
```python
#creating new folder
import os

path = "C:/Users/palak/Desktop/TestFolder"
```

```
if not os.path.exists(path):
    os.mkdir(path)
    print("Folder created.")
else:
    print("Folder already exists.")
```

```
Folder created.
```

In [ ]:
```
#File with csv Extension

import csv
with open('C:/Users/palak/Desktop/Cancer_Data.csv') as f:
    csv_reader = csv.reader(f, delimiter=',') # w use, reader method to read csv
    line_count = 0
    for row in csv_reader:
        if line_count == 0:
            print(f'Column names are :{", ".join(row)}')
            line_count += 1
        else:
            print(f'\t{row[0]} is a patient. He is diagonsed with the category {row
            line_count += 1
    print(f'Number of lines: {line_count}')
```

In [ ]:
```

```

In [ ]:
```

```

In [ ]:
```

```