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ROLL NO : 127
BATCH : S23

File and Exception Handling

CODE:

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try:
    # Opening a file in default mode (read
text)     with open("demofile.txt") as f:
        print(f.read())

    # Opening a file in read text mode
explicitly     with open("demofile.txt", "rt")
as f:
        print(f.read())

    # Reading only the first 5 characters of
the file     with open("demofile.txt", "r") as
f:
        print(f.read(5))

    # Reading one line of the file
with open("demofile.txt", "r") as f:
        print(f.readline())

    # Reading the first two lines of the
file     with open("demofile.txt", "r") as
f:
```

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        print(f.readline())
print(f.readline())

    # Looping through the file line by
line     with open("demofile.txt", "r")
as f:         for x in f:
print(x)

    # Writing to an existing file by appending
    with open("demofile2.txt", "a") as f:
        f.write("Now the file has more
content!")

    # Reading the file after appending
with open("demofile2.txt", "r") as f:
        print(f.read())

    # Overwriting the content of a file
with open("demofile3.txt", "w") as f:
        f.write("Woops! I have deleted the
content!")

    # Reading the file after overwriting
with open("demofile3.txt", "r") as f:
        print(f.read())

    # Creating a new file using "x"
mode     with open("myfile.txt", "x")
as f:         pass

    # Creating a new file using "x" mode, again
to
demonstrate error handling
try:
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        with open("myfile.txt", "x") as f:
            pass               except
FileExistsError:           print("The
file already exists.")

    # Deleting a file     import os
file_to_delete = "demofile.txt"     if
os.path.exists(file_to_delete):
os.remove(file_to_delete)
print(f"The file {file_to_delete} has been
deleted.")     else:
        print("The file does not exist.")

    #  Deleting  a  file  with  error
handling             file_to_delete  =
"demofile.txt"     try:
        os.remove(file_to_delete)
print(f"The  file  {file_to_delete}  has  been
deleted.")     except FileNotFoundError:
        print("The file does not exist.")

    # Deleting an entire folder
folder_to_delete = "myfolder"     if
os.path.exists(folder_to_delete):
        os.rmdir(folder_to_delete)
        print(f"The  folder  {folder_to_delete}
has been deleted.")     else:
        print("The folder does not exist.")

except Exception as e:
    print("An error occurred:", e)
```