**TEXT FILE AND JSON OPERATION**

**Ex.No. :3c 230901039**

**Date :25-02-2025**

**AIM:**

To open, read and write the text files and perform basic JSON operation.

**SOFTWARE USED:**

Jupyter notebook

**DESCRIPTION:**

1. Open text file in write mode.
2. Write the text content and close the file.
3. Open the same text file in read mode.
4. Read the file content through readline function and close the file.
5. Open the same file in append mode.
6. Add a few more text and close the file.
7. Open the same text file in read mode.
8. Read the entire file content through read function and close the file.
9. Use basic JSON loads and dumps function.

**PROGRAM:**

f**=**open("/Users/student/Downloads/TxtJSON.txt","w") *#Write mode*

f**.**write("Wakeup early\n")

f**.**write("Read daily\n")

f**.**write("Be punctual\n")

f**.**close()

a**=**open("/Users/student/Downloads/TxtJSON.txt","r")*#Read mode*

print(a**.**readline())*#print single line*

print(a**.**readline())

print(a**.**readline())

a**.**close()

**with** open("/Users/student/Downloads/TxtJSON.txt","a") **as** b:*#Append*

b**.**write("Bavani\n")

b**.**write("Rithika\n")

*#with open - no need to use close()*

c**=**open("/Users/student/Downloads/TxtJSON.txt","r")

print(c**.**read())

c**.**close()

**with** open("/Users/student/Downloads/TxtJSON.txt","r") **as** file:

lines**=**file**.**readlines()

print(lines)

*#JSON Operation (JavaScript on Notstion)*

**import** json

x**=**'{"name":"Sundar","age":25,"city":"Mumbai"}'

y**=**json**.**loads(x)

print(y)

print(y["city"])

**import** json

x**=**{"name":"Sundar",

"age":25,

"city":"Mumbai"}

y**=**json**.**dumps(x)*# prints in a single row*

print(y)

**OUTPUT:**

Wakeup early

Read daily

Be punctual

Wakeup early

Read daily

Be punctual

Bavani

Rithika

['Wakeup early\n', 'Read daily\n', 'Be punctual\n', 'Bavani\n', 'Rithika']

{'name': 'Sundar', 'age': 25, 'city': 'Mumbai'}

Mumbai

{"name": "Sundar", "age": 25, "city": "Mumbai"}

**RESULT:**

Thus the text file was opened, read and witten and basic JSON operations were performed.