

## 21BDS0340 - Abhinav Dinesh Srivatsa

## Basic File Operations in Python

```
In [ ]: import os
import pandas as pd
```

```
In [ ]: # question 1
with open("./file.txt", "w") as file:
    file.write("21BDS0340 - Abhinav Dinesh Srivatsa")
with open("./file.txt", "r") as file:
    data = file.read()
data[::-1]
```

```
Out[ ]: 'astavirS hseniD vanihbA - 0430SDB12'
```

```
In [ ]: # question 2
data = {
    "Name": ["Abhinav", "Tanush", "Sumathi"],
    "Age": [25, 30, 35],
    "City": ["Bangalore", "Chennai", "Coimbatore"]
}
df = pd.DataFrame(data)

df.to_csv("./data.csv", index=False) # saving as CSV
df.to_html("./data.html", index=False) # saving as HTML
```

```
In [ ]: # question 3
with open("./file.txt", "w") as file:
    file.write("21BDS0340 deep learning lab test")
with open("./file.txt", "r") as file:
    data = file.read()
data
```

```
Out[ ]: '21BDS0340 deep learning lab test'
```

```
In [ ]: # question 4
with open("./file.txt", "w") as file:
    file.write("21BDS0340\n")
with open("./file.txt", "a") as file:
    file.write("Abhinav Dinesh Srivatsa")
with open("./file.txt", "r") as file:
    data = file.read()
data
```

```
Out[ ]: '21BDS0340\nAbhinav Dinesh Srivatsa'
```

```
In [ ]: # question 5
with open("./file1.txt", "w") as file:
    file.write("21BDS0340 - ")
with open("./file2.txt", "w") as file:
    file.write("Abhinav Dinesh Srivatsa")

with open("./file1.txt", "r") as file:
    data1 = file.read()
with open("./file2.txt", "r") as file:
    data2 = file.read()
```

```
with open("./combined.txt", "w") as file:
    file.write(data1)
    file.write(data2)

with open("./combined.txt", "r") as file:
    data = file.read()
data
```

Out[ ]: '21BDS0340 - Abhinav Dinesh Srivatsa'

In [ ]: