## Training Day - 26

## \*Topic:\* Introduction to Pandas

- Learned about Pandas DataFrame and Series.
- Example: Created a DataFrame from a dictionary and accessed its rows and columns.
   Pandas provides Series and DataFrame structures for efficient data manipulation and analysis.

In today's session we worked little bit more on Broadcasting on numpy library,by solving a mathematical operation on matrices.

- •Also learn about "fromfunction" through the help of numpy.
- •Topic Array creation also covered in today's session, and completed with solving one example of 'Array Creation' using static method.

## **EXAMPLE**

```
import pandas as pd
data = {"Name": ["Alice", "Bob"], "Age": [25, 30]}
df = pd.DataFrame(data)
print(df)
```

•After importing I used some functions of pandas to read and analys the data set, like - . shape, isnull(), info, isnull(). sum(), head(), tail()

```
import numpy as np import pandas as pd

[] #pandas #1.Series-1d array(single coloumn) # *single coloumn can be in 2D #2.DataFrame-2d array(more than one coloumn) # *Data frame must be in 2D

[] df=pd.read_csv('/content/ex1.csv') df

The state of the st
```

