**Experiment No.11**

import pandas as pd

a=[1,7,2]

myvar=pd.Series(a)

print(myvar)

print(myvar[0])

myvar = pd.Series(a, index = ["x", "y", "z"])

print(myvar)

print(myvar["y"])

import pandas as pd

calories = {"day1": 420, "day2": 380, "day3": 390}

myvar = pd.Series(calories)

print(myvar)

import pandas as pd

Data = {

  "calories": [420, 380, 390],

  "duration": [50, 40, 45]

}

myvar = pd.DataFrame(Data)

print(myvar)

print(myvar.loc[0])

print(myvar.loc[[0,1]])

import pandas as pd

data = {

  "calories": [420, 380, 390],

  "duration": [50, 40, 45]

}

df = pd.DataFrame(data, index = ["day1", "day2", "day3"])

print(df)

print(df.loc["day1"])

**OUTPUT:**

**0 1**

**1 7**

**2 2**

**dtype: int64**

**1**

**x 1**

**y 7**

**z 2**

**dtype: int64**

**7**

**day1 420**

**day2 380**

**day3 390**

**dtype: int64**

**calories duration**

**0 420 50**

**1 380 40**

**2 390 45**

**calories 420**

**duration 50**

**Name: 0, dtype: int64**

**calories duration**

**0 420 50**

**1 380 40**

**calories duration**

**day1 420 50**

**day2 380 40**

**day3 390 45**

**calories 420**

**duration 50**

**Name: day1, dtype: int64**