**G. H. RAISONI COLLEGE OF ENGG., NAGPUR**

**(An Autonomous Institute)**

**Department of Computer Science & Engg.**



**Date: 03-08-2021**

**Practical Subject: Skill Development-2 [BCSP318]**

**Session: 2021-22**

**Student Details:**

| **Roll Number** | 44 |
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| **Name** | Anand Suralkar |
| **Semester** | 9th |
| **Section** | A |
| **Batch** | CSE |

**Practical Details: Practical Number-4;**

| Practical Aim | Apply the data frames in python for data  reading, preparation and preprocessing |
| --- | --- |
| Theory & Syntax | **Read CSV Files**  **A simple way to store big data sets is to use CSV files (comma separated files).**  **CSV files contains plain text and is a well know format that can be read by everyone including Pandas.**  **In our examples we will be using a CSV file called 'data.csv'.**  **Download data.csv. or Open data.csv**  **Syntax:-**  **data=pd.read\_csv(“csv file path”)**  **DataFrame:-**  **Data frame is used to organise and show data in properly managed table like fashion**  **Syntax:-**  **df=pd.DataFrame(data)** |
| Program | import pandas as pd  data=pd.read\_csv(r"C:/Users/anand/OneDrive/Desktop/python codes/data/Book 13.csv")  df=pd.DataFrame(data,columns=["person","name","country"])  print(df) |
| Output |  |
| Conclusion | performed and learned the data frames in python for data  reading, preparation and preprocessing using pandas. |