**Academic Task Number: CA1 Course code:** Cap788 **Date of Conduct 2** Sept **Course title:** Data Science Tool Box Laboratory

**Maximum Marks: 50 Academic Task Type: Practical (25 marks written and execution, 25 marks viva )**

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| **Question Number** | **Question Statement** |
|  | Create an excel sheet having the following columns and e**nter minimum 15 records (5 Marks )**   * Roll no * Name of student * Father name * Address * Score in test (values will be out of 20) * No of attempts in JEE (values will be out of 5)   **Fetch excel file and store it as data frame1** |
|  | Now perform the following tasks 10 marks   1. Create another frame **name as your name** having **Qualify column** (values will be Yes or No ) and Merge these two data frames 2. Sort the given data frame by multiple column(s). 3. Drop row(s) by number from given data frame and drop column(s) by name from given data frame. 4. Extract 5rd and 10th rows with 1st to 7th columns from a given data frame. 5. Apply basic analysis of data 6. Display charts as follows 7. For showing no of attempts 8. For showing status of qualifying students (Yes/No) |
|  | Write a program to find factorial of a number using For, Repeat and While (ALL). 10 marks |

**Take screen shot of each and every step, Paste it into word along with code and upload on UMS. Write Complete code step by step at one place also.**