**Core Java Challenge – Exam**

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| Name | Class | Total Marks |
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Answer all followings questions Time: 1 Hour

1. Please create a program for the following requirements:
2. Add employee data into EmployeeData.txt file
   * User can input Employee data (**No, Name, Age, Father Name and City**)
   * After user input, the program will save the input data into **EmployeeData.txt** by separating comma like **111,Mg Ba,20,U Ba Mg,Yangon**
3. Show the saved employee data from EmployeeData.txt file
   * User can confirm the saved Employee data by retrieving from EmployeeData.txt file.

Program Menus will be like;

1. Main Menu
   1. User can select only 1, 2 and 3. If not, the program will show the message “You can input only 1, 2 and 3.”
   2. If user input 1, will go to Employee Entry menu
   3. If user input 2, will go to Employee List menu
   4. If user input 3, the program will exit

Main Menu

1 : Employee Entry

2 : Employee Listing

3 : Exit

Your Selection :

1. Employee Entry Menu
   1. The user can enter the following inputs one by one
   2. After user entered City, the program will save the input data into EmployeeData.txt file.

Employee Entry

No :

Name :

Age :

Father Name :

City :

1. Employee Listing Menu
   1. The program will show the save employee data by retrieving from EmployeeData.txt file.

Employee Listing

No Name Age Father Name City

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111 Mg Ba 20 U Ba Mg Yangon

1. Please create a program for the following requirements:

* Users can input his/her desired 10 numbers (*You can assume that these numbers are age of people*).
* The program will provide the results;
  + Ascending sorted number by the input 10 numbers (*You can use your desired sorting algorithm*)
  + Maximum number among the input 10 numbers
  + Minimum number among the input 10 numbers
  + Average number among the input 10 numbers
* The program’s blueprint is below;

**Please enter first number: *[User’s Input]***

**Please enter second number: *[User’s Input]***

**Please enter third number: *[User’s Input]***

**Please enter fourth number: *[User’s Input]***

**Please enter fifth number: *[User’s Input]***

**Please enter sixth number: *[User’s Input]***

**Please enter seventh number: *[User’s Input]***

**Please enter eighth number: *[User’s Input]***

**Please enter ninth number: *[User’s Input]***

**Please enter tenth number: *[User’s Input]***

**Your 10 numbers are: *xx, xx, xx, xx, xx, xx, xx, xx, xx, xx***

**By ascending, the sorted numbers are: *xx, xx, xx, xx, xx, xx, xx, xx, xx, xx***

**The maximum number is: *xx***

**The minimum number is: *xx***

**The average number is: *xx***

You have to use array, looping, method, etc. to create the above program.