CENTRE FOR DEVELOPMENT OF ADVANCE COMPUTING

**Advance Computing Training School**

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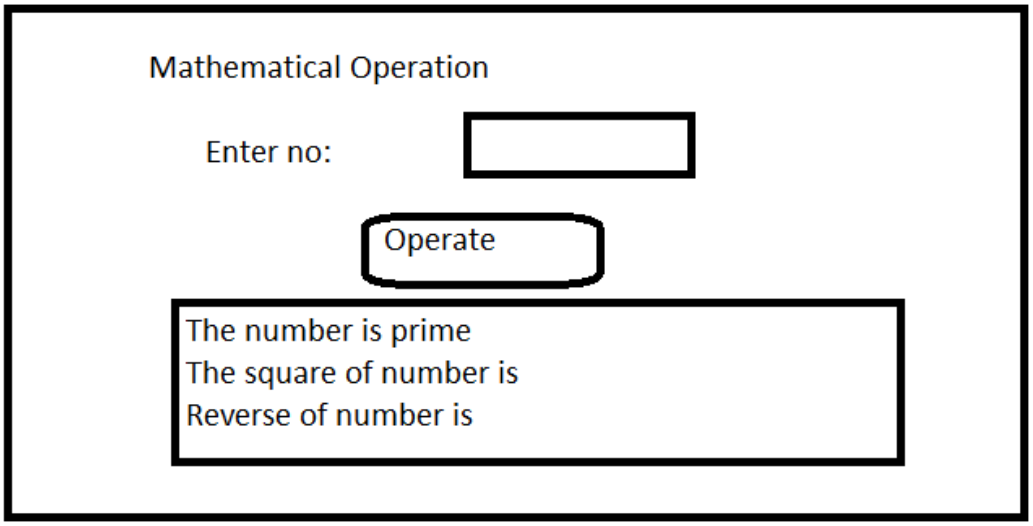
| Course Name: PG Diploma in Advanced Computing | Batch: March 2023 |
| Module Name: Web & J2EE | Date: 12/07/2023 |
| Student Name: | Max Marks: 80 |
| Roll No: | Duration: |

Q.1. Design Interest Calculator App which has form based UI as under

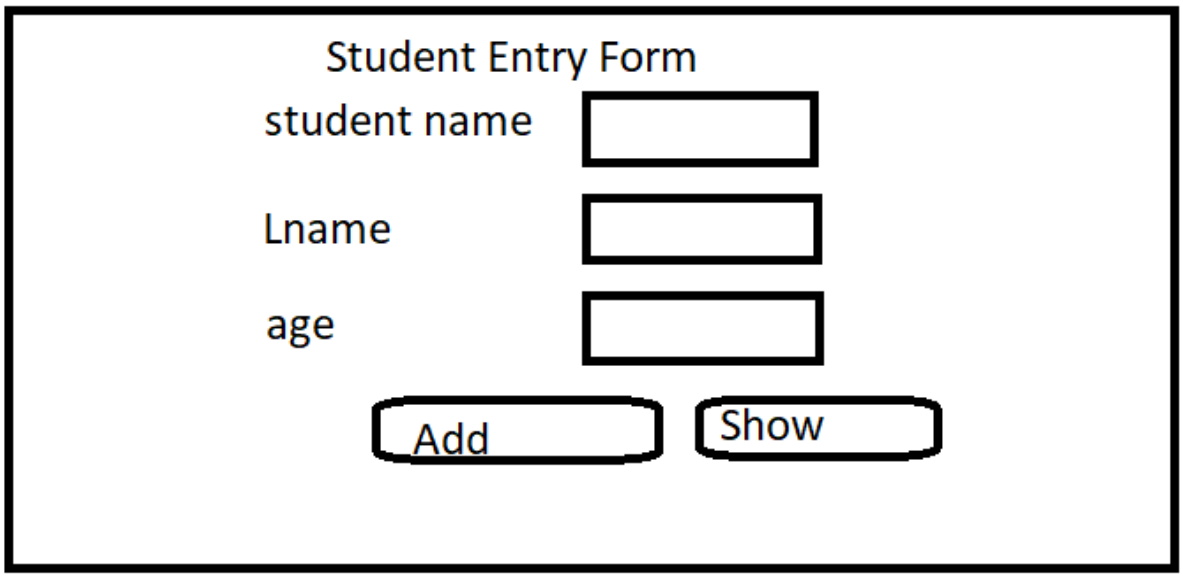



Design and App where user enters valid no and when he clicks on operate, It show details of number in tabular format, like whether its prime, Reverse of number etc

Do appropriate validations

***The above need to be created using Bootstrap and appropriate validations must be used. Use of DOM also is recommended***

**Q. 2**



Design above Form using Bootstrap and when user clicks on Add calls servlets which processes and Adds data in the database. Whenever you click on show it shows all entries of students in db in tabular form. (Either of Add or show must be functional)

**Evaluation of Lab Exam should be based on the following criteria:**

| Criteria | Details | Max Marks | Marks Obtain |
|---|---|---|---|
| Algorithm | Documentation of Algorithm and Flowchart | 30 | |
| | Program adheres to the algorithm and flowchart | | |
| Efficiency | Program is using only the required number of variables /conditions/loops/pointers etc and is optimal | | |
| Correctness | The program produces desired output for a given input | | |
| | The program handles all valid and Invalid inputs | | |
| Software Engineering Principles | The program has meaning variable/function names | | |
| | The program is commented properly (At least 20% of the code should be commented) | | |
| Viva | | 10 | |
| | ***Total Marks*** | **40** | |

**Signature of Student** **Signature of Evaluator** **Signature of Coordinator**