**CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING**



**Advanced Computing Training School**

**Course Name:** PG Diploma in Advanced Computing

**Batch:** August 2019

**Module Name:** Java Technologies I Lab Exam **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Max Marks: 40 Marks**

**PRN No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Duration: 2 Hours**

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Q1. Design Java application using JDBC for the following Consider a table with following format

--- contains multiple records

Tourid, Tour location,duration,start date, end date,capacity,price

123,Dubai,4 days,23-dec-2018,27-dec-2018,50,50000.00

Create tourPOJO ,tourDao & Tester for the following requirements.

Display following menu

1. Add new tour ---- Add new tour in the existing file
2. Delete a tour ---- Delete tour from file
3. Search tours based on no of days ---accept no of days from user display all tours with duration < or equal to given duration
4. Search tours based on price----accept price from user display all tours with price < or equal to given duration
5. Exit [40 marks]

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

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| --- | --- | --- | --- |
| **Criteria** | **Details** | **Max**  **Marks** | **Marks**  **Obtain** |
| **Algorithm** | **Documentation of Algorithm and Flowchart** |  |  |
| **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)** |  |  |
|  | ***Total Marks*** | **40** |  |
| **cccccccc** |  |  |  |

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

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