**Case Study Campus – 2021**

**Date Of Completion : 4th October 2021**

The management of a company decided to store the personal details of all its employees in a Database(Oracle). It’s required to create an application that can fulfil their requirements to store and view the details of employees:

***The following are the requirements***

1. The Database should have following details stored

* FirstName
* Last Name
* Address
* Email address
* Phone number
* Birthday
* Wedding Anniversary

1. Should be able to add employee details
2. Should be able retrieve information already stored by entering employees name.
3. If the employee with a given name is not Found Application Should throw a user defined exception NameNotFoundException.
4. Should be able edit the details of a particular employee.
5. Should be able to get the list of employees with their name and email\_id whose Birthday falls on the given date
6. Should be able to get the list of employee with their name and phone Number whose Wedding Anniversary falls on the given date
7. Should be able to get the details Just FirstName and Phone Number of all the employees

**The Following expectations should be met in application development**

1. It should be a Maven Based Project
2. Log4j should be used for Logging , log messages should be stored in a file
3. Java Collection, Exception Handling ,JDBC API's, Java 8 Streams should be used
4. User input is done through Scanner Class and it should menu driven
5. The Application should be packaged in a Jar File

**The Evaluation of the Case Study will be based on 5 parameter**

1. Coding Conventions (5 marks)

2. Exception Handling (5 marks)

3. Solving the Business Logic efficiently ( 10 marks)

4. Using Logging and Maven Features (10 marks)

5. Output (10)

After completing the Project upload the jar file into google drive and share the link .