JDBC

1. Create 5 Scholars and store it in a RDBMS table.

Scholar encapsulates ScholarId, Name,Email,Mobile

Create a Table Scholar in RDBMS having columns as

Rollno, Name,Email,Mobile.

Save all the created scholars inside the table.Read inputs at runtime use Prepared Statement.

Configuration parameters like driver,url,username and password

Should not be in service class, write a file DbUtil.

1. Write a Java application which will perform below operations fromTable

Use ResultSetMetaData for retrieving the column names

And use ResultSet for retrieving the actual data from table.

1. Use CustomException ScholarNotFoundException for delete,update and Get operations.

ListAllScholars

GetOneScholar(Integer scholarId)

UpdateScholarEmail((Integer scholarId,Scholar scholar)

DeleteScholarById((Integer scholarId)

AddScholar(Scholar scholar)

Use Layered architecture:

com.ig.model

com.ig.service

com.ig.dao

com.ig.exception

com.ig.util

com.ig.ui

Stream API

class Product{

Integer id;

String name;

String type; //ex dairy,pulses,spices,oils,snacks

Double qty;

Double price;

LocalDate expiryDate;

Supplier supplier;

}

Class Supplier {

Integer id;

String sname;

}

class ProductService{ //implement below operations using stream api.

// list Highest priced product

// list lowest priced product

//list product that already expired

//list product names list that will expire in next 10 days

// display count of products of different types

// display count of products based on Supplier name.

}

* **Submit both codes in Week3Solution folder with output screenshots.**