Digital Training – Coding Assessment

Version: 1.0 |Date:2/3/2022

Coding Assessment

MySql – Query assessment

Java – Coding assessment

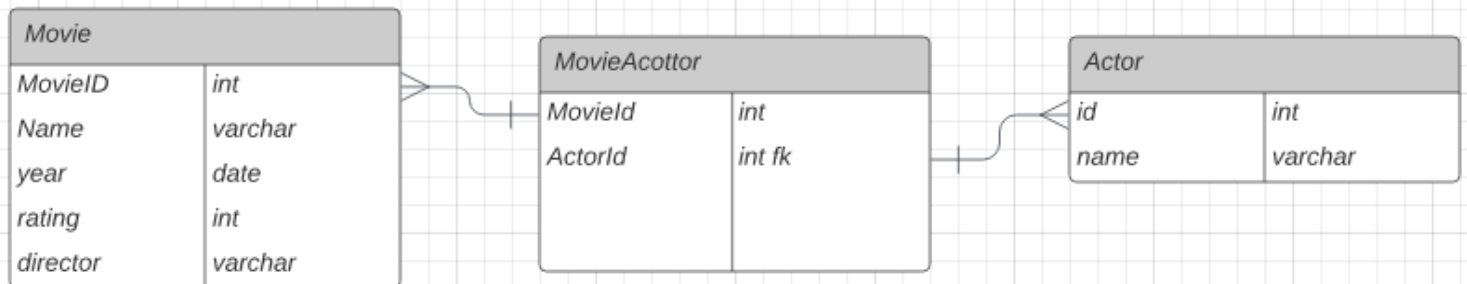# Table of Contents

Movie Management System

DDL & DML Scripts

ddl.txt   dml.txt
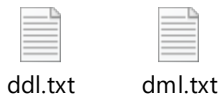
- Execute DDL and DML scripts in Workbench
- Create database and tables
- Populate all records for the tables

Questions: [10 marks for each query]

1. How many movies have titles starting with 'S' ?
2. Which were the busiest years for 'Leonardo Di caprio'
3. List the movies acted by Tom Hanks which was not directed by Stephen speilberg?
4. Display the highest rated movie
5. Display the highest rated movie by year and actor.

Cooking class booking System

Radhika has a business teaching cooking classes. She loves the joyful looks on each student's face when they first taste an amazing dish that they've learnt to make. Radhika wants to build an application that can do her busywork so she can focus on her true passion: teaching cooking. Create a command line application, where students can register for a cooking class. Here is the different levels of courses available

Course	Price(INR)	Level
Salad	1000	Beginner
Baking	1000	Beginner
Pastry making	1500	Advanced
Appetizers	1500	Advanced
Main Course	2000	Advanced

A beginner can only register for the beginner course. An experienced can register for advanced courses. Radhika can log in back to the application to see the list of students registered for various batches.

Validations
- Participants age must be greater than 15.
- Participant cannot register for advanced class, if they are new to cooking
- Course begin date must be in the future
- Course end date must be greater than begin date
- No more than four students can register for a course. An apology must be displayed if more than four students try to register for a course.

Screen 1

Welcome to Cooking Corner

Please Enter your details to register
Name: Priya
DOB :05-02-1990
Address :Chennai
Experience in cooking : Yes

Course	Price(INR)	Level
Salad	1000	Beginner
Baking	1000	Beginner
Pastry making	1500	Advanced
Appetizers	1500	Advanced
Main Course	2000	Advanced

Enter the course Name : Salad.

List of available courses , Select your slot

- Slot 1 : date
- Slot 2 : date

Sorry the slot is full

1. **Bill Summary**

   Create a class **BillSummary** and generate the report

Screen 2

Cooking Corner
Bill Summary

Name: Gokul   **Phone:**98442873
Address: No.7, Gandhi Road, Guindy,

> Thanks for registering for Pastry Making (Advanced). You class is scheduled on 13/09/22 .
>
> Happy Cooking

Classes required:

Public class Student{

       public string name;

}

Public class Course{

       public string name;

       public string level;

}

Public class BillSummary{

      public void billReport(studentName,class){}

      }

Hint:

- ✓ Classes and Methods signature should not be changed
- ✓ User defined methods and properties can be added

Marks Distribution:

MySql Query – 50					Java Coding - 50		
Query 1 - 10	Query 2 - 10	Query 3 - 10	Query 4 – 10	Query5- 10	Classes & Methods Definition - 10	Business logic implementation - 30	Execution - 10