



Java Programming 2 - Exam Paper

Duration: 60 minutes | Marks: 15

Question:

Provide the report include some information as:

Player Id	Player name	High Score	Level	National
1	Player 1	100	2	Vietnam
2	Player 2	1050	10	USA
3	Player 3	200	5	Japan

Table 1: Player information

Information database:

- SQL: MySql or SQL Server
- Database name: HeroGame
- Table: Player
- Fields of the Player table:

No	Column name	Display name	Data type	Note
1	PlayerId	Player Id	Integer, auto increment	PK
2	NationalId	National Id	Integer	PK
3	PlayerName	Player name	String	
4	HighScore	High Score	Integer	
5	Level	Level	Integer	

- Table: National
- Fields of the National table:

No	Column name	Display name	Data type	Note
1	NationalId	National Id	Integer, auto increment	PK
2	NationalName	National Name	String	

Using Java language to write a program, encourage use JavaFx.

1. Allow add new players into the Player table, remove a player, add new National, remove a national.
2. Allow to show all players on the screen as *Table 1*.

3. Allow to find a player by name.
4. Allow to show top 10 players where having the most high score.

Marking Schema:

Question	Mark
Question Create Database and connection to Database	5
Question Create Entity Player, National with setter, getter, constructor	2
Question 1 Create and implement method "insertPlayer", "deletePlayer"	2
Question 2 Create and implement method "displayAll"	2
Question Create and implement method "displayAllByPlayerName"	2
Question 1 Create method "displayTop10"	2
Total	15