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| --- | --- |
| **Assignment Case** |  |
| ISYS6169 | T0206  Database Systems |
| **Information Systems** | **XXXX-ISYS6169-XXXX-XX** |
| ***Valid on*** *Odd Semester Year 2021/2022* | **Revision 00** |

**Tabel Relasional**

*Relational Table*

**The Externational**

**The Externational** is an famous eSport competition from game **MoTa 2** that being held every year. The competition provides a lot of matches transaction including information of the participant (**teams, and players**). Here is the **Entity Relationship Diagram (ERD)** of **matches** in **The Externational:**

Diagram

Description automatically generated

**Soal**

*Case*

1. Create a table named ‘**leaderboard**’ with the following descriptions :

**(create table, like, between)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Types** | **Length** | **Description** |
| rank\_id | CHAR | 5 | Primary key and rank\_id must be started with ‘RNK**’** and followed by 2 digits of number. Example: RNK01,  Cannot be empty. |
| team\_id | CHAR | 5 | Foreign key, references to table named “team” on “team\_id” column |
| rank | INT |  | Cannot be empty.  Must be between 1 and 8 (inclusive) |
| prize | BIGINT |  | Cannot be empty. |

1. Add new column on **team\_detail** table named is\_captain with **int** data type and add a constraint on **team\_detail** table to validate that is\_captain must be between 1 to 0 (inclusive).

**(alter table, add, add constraint)**

Table

Description automatically generated

1. Insert these data into **Position** table :

**(insert)**

Table

Description automatically generated

|  |  |
| --- | --- |
| **position\_id** | **position\_name** |
| POS06 | Coach |

1. Display player\_name, and joined\_date for every player that joined their team on September 2019.

**(like)**

Table

Description automatically generated with medium confidence

1. Update **Invictus Gaming** score into 2, and **Vici Gaming** score into 0 for match with ID “**MT010**”

**(update, like)**

**Before** update :

Table

Description automatically generated

**After** update:

Table

Description automatically generated