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## MISSION 2 WARCRAFT

1) Proposer une modélisation des données.

Tables : ( Faction)  
(faction\_id , faction\_name)  
foreign key : races\_id

2) Réaliser la table faction. On enregistrera son script dans un fichier SQL avec Sublime Text par exemple.

```
MariaDB [beldjs]> CREATE TABLE Faction (  
  -> faction_id INT primary key,  
  -> faction_name Varchar(10) NULL  
  -> )ENGINE=InnoDB DEFAULT CHARSET=utf8;  
Query OK, 0 rows affected (0.035 sec)
```

3) Insérer les données de la table.

```
MariaDB [beldjs]> INSERT INTO Faction VALUES (1, "Alliance");  
Query OK, 1 row affected (0.007 sec)  
MariaDB [beldjs]> INSERT INTO Faction VALUES (2, "Horde");  
Query OK, 1 row affected (0.007 sec)
```

4) Modifier la table Race avec les bonnes données.

```
MariaDB [beldjs]> INSERT INTO races VALUES  
  -> (11,"Draeneï","alliance"),  
  -> (22,"Worgen","alliance"),  
  -> (24,"Pandaren","neutral"),  
  -> (25,"Pandaren","alliance"),  
  -> (26,"Pandaren","horde"),  
  -> (27,"Sacrenuit","horde"),  
  -> (28,"Tauren de Haut-Roc","horde"),  
  -> (29,"Elfe du Vide","alliance"),  
  -> (30,"Draeneï sancteforge","alliance");  
Query OK, 9 rows affected (0.006 sec)  
Records: 9 Duplicates: 0 Warnings: 0  
MariaDB [beldjs]> UPDATE races SET Faction_id=1 WHERE races_id=1;  
Query OK, 1 row affected (0.020 sec)  
Rows matched: 1 Changed: 1 Warnings: 0  
MariaDB [beldjs]> UPDATE races SET Faction_id=2 WHERE races_id=2;  
Query OK, 1 row affected (0.008 sec)  
Rows matched: 1 Changed: 1 Warnings: 0
```

5) Ajouter la contrainte d'intégrité référentielle.

```
MariaDB [beldjs]> ALTER TABLE races ADD CONSTRAINT FACTION_CK CHECK(Faction_id >= 0) ;  
Query OK, 19 rows affected (0.126 sec)  
Records: 19 Duplicates: 0 Warnings: 0
```

6) Supprimer une faction pour vérifier la contrainte.

```
MariaDB [beldjs]> DELETE FROM Faction WHERE faction_id = 2 ;  
ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails ('beldjs`.`races`, CONSTRAINT `races_ibfk_1` FOREIGN KEY (`faction_id`) REFERENCES `Faction` (`faction_id`))
```

7)Ajouter les nouvelles races.

<input type="checkbox"/> modifier	11	Draeneï	alliance	1
<input type="checkbox"/> modifier	22	Worgen	alliance	1
<input type="checkbox"/> modifier	24	Pandaren	neutral	3
<input type="checkbox"/> modifier	25	Pandaren	alliance	1
<input type="checkbox"/> modifier	26	Pandaren	horde	2
<input type="checkbox"/> modifier	27	Sacrenuit	horde	2
<input type="checkbox"/> modifier	28	Tauren de Haut-Roc	horde	2
<input type="checkbox"/> modifier	29	Elfe du Vide	alliance	1
<input type="checkbox"/> modifier	30	Draeneï sancteforge	alliance	1

8)Modifier le niveau de Daril par 100.

```
MariaDB [beldjs]> UPDATE personnages SET niveau=100 WHERE identification=1;
^[[A^[[BQuery OK, 1 row affected (6.616 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

9)Supprimer Dunbar.

```
MariaDB [beldjs]> DELETE FROM personnages WHERE identification = 3;
ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails ('beldjs','MonturePerso', CONSTRAINT 'MonturePerso_ibfk_1' FOREIGN KEY ('personnages_mounts_id') REFERENCES 'personnages' ('identification'))
```

10)Ajouter les nouvelles classes

```
MariaDB [beldjs]> INSERT INTO classes VALUES(6,"Chevalier de la mort","runic-power"),
-> (12,"Chasseur de démons","fury");
Query OK, 2 rows affected (0.008 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

Etape 2 :

1)Proposer une modélisation des données.

Membre : ('id', 'members\_character\_race', 'members\_character\_spec\_description',  
'members\_character\_name', 'members\_character\_achievement\_points',  
'members\_character\_spec\_role', 'members\_character\_realm', 'members\_character\_guild\_realm',  
'members\_rank', 'members\_character\_battlegroup', 'members\_character\_spec\_order',  
'members\_character\_spec\_name', 'members\_character\_gender', 'members\_character\_class',  
'members\_character\_spec\_icon', 'members\_character\_spec\_background\_image',  
'members\_character\_level', 'members\_character\_guild', 'members\_character\_thumbnail')

clef primaire : (id)

clef étrangère : races\_id , classes\_id

2)Intégrer les données de la table members en gardant les mêmes champs et en ajoutant une clef primaire auto incrémentée.

```
MariaDB [beldjs]> CREATE TABLE `members` (  
  -> `members_character_race` int(11) DEFAULT NULL,  
  -> `members_character_spec_description` varchar(178) DEFAULT NULL,  
  -> `members_character_name` varchar(17) DEFAULT NULL,  
  -> `members_character_achievement_points` int(11) DEFAULT NULL,  
  -> `members_character_spec_role` varchar(7) DEFAULT NULL,  
  -> `members_character_realm` varchar(5) DEFAULT NULL,  
  -> `members_character_guild_realm` varchar(5) DEFAULT NULL,  
  -> `members_rank` int(11) DEFAULT NULL,  
  -> `members_character_battlegroup` varchar(6) DEFAULT NULL,  
  -> `members_character_spec_order` int(11) DEFAULT NULL,  
  -> `members_character_spec_name` varchar(20) DEFAULT NULL,  
  -> `members_character_gender` int(11) DEFAULT NULL,  
  -> `members_character_class` int(11) DEFAULT NULL,  
er  -> `members_character_spec_icon` varchar(34) DEFAULT NULL,  
  -> `members_character_spec_background_image` varchar(22) DEFAULT NULL,  
  -> `members_character_level` int(11) DEFAULT NULL,  
  -> `members_character_guild` varchar(13) DEFAULT NULL,  
  -> `members_character_thumbnail` varchar(30) DEFAULT NULL  
  -> ) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
Query OK, 0 rows affected (0.033 sec)
```

```
Query OK, 510 rows affected (0.086 sec)  
Records: 510 Duplicates: 0 Warnings: 0
```

```
ALTER TABLE members add id INT PRIMARY KEY AUTO_INCREMENT
```

Requête exécutée avec succès, 0 ligne modifiée. (0.229 s) [Modifier](#)

3)Ajouter les clefs étrangères nécessaires.

```
ALTER TABLE `members` ADD FOREIGN KEY (`members_character_race`) REFERENCES `races` (`races_id`)
```

Requête exécutée avec succès, 510 lignes modifiées. (0.190 s) [Modifier](#)

```
ALTER TABLE `members` ADD FOREIGN KEY (`members_character_class`) REFERENCES `classes` (`classes_id`)
```

Requête exécutée avec succès, 510 lignes modifiées. (0.189 s) [Modifier](#)