# SQL Task

Team Table

|  |  |  |
| --- | --- | --- |
| **TeamName** | **YearFounded** | **CupsWon** |
| Chelsea Bun F.C. | 1905 | 7 |
| Tottenal | 1886 | 14 |
| Manu City | 1878 | 12 |
| Liverton | 1892 | 7 |

Player Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Surname** | **FirstName** | **TeamName** | **Position** | **Nationality** |
| Striker | Alfred | Chelsea Bun F.C. | Forward | English |
| Header | Barry | Tottenal | Defender | Welsh |
| Wall | Brian | Manu City | Forward | Scottish |
| Champion | Danny | Manu City | Forward | Irish |
| Winner | Fred | Liverton | Goalkeeper | English |

The two tables **Team** and **Player** form a relational database

1. Write down the result of the SQL statement:

SELECT Surname, FirstName, Position

FROM Player

WHERE Country=’England’

|  |  |  |
| --- | --- | --- |
| Striker | Alfred | Forward |
| Winner | Fred | Goalkeeper |

1. Write down the result of the SQL statement:

SELECT Surname, FirstnName, Position

FROM Player

WHERE Country=’England’ AND Position=’Forward’

|  |  |  |
| --- | --- | --- |
| Striker | Alfred | Forward |

1. Write an SQL statement to select all the fields from the **Player** table

SELECT \*

FROM Player

1. Write an SQL statement to select all the **Surname**, **FirstName** and **TeamName** from the **Player** table

SELECT Surname, FirstName, TeamName

FROM Player

1. Write an SQL statement to select the **Surname** and **FirstName** of the players who play for **Manu City** from the **Player** table

SELECT Surname, FirstName, TeamName

FROM Player

WHERE TeamName=’Manu City’

1. Write an SQL statement to select the **Surname** and **FirstName** of the players who play in the **Forward** position and are whose nationality is **English**

SELECT Surname, FirstName, TeamName

FROM Player

WHERE Position=’Forward’ and Nationality=’English’

1. Write an SQL statement to select all the **Surname**, **FirstName** and **TeamName** from the **Player** table and sort in ascending order by surname

SELECT Surname, FirstName, TeamName

FROM Player

ORDER BY Surname

1. Write an SQL statement to add a new record to the **Player** table with the following fields:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Surname** | **FirstName** | **Team** | **Position** | **Nationality** |
| Var | Brian | Tottenal | Midfield | Irish |

INSERT INTO Player VALUES (‘Var’,’Brian’,’Tottenal’,’Position’,’Nationality’)

1. Write an SQL statement to remove the following record from the **Player** table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Surname** | **FirstName** | **TeamName** | **Position** | **Nationality** |
| Champion | Danny | Manu City | Forward | Irish |

DELETE FROM Player

WHERE Surname=’Champion’

1. Brian Wall has transferred to Tottenal. Update the **Player** table to reflect this change

UPDATE Player

SET TeamName

WHERE surname=’Wall’

1. Write down the result of the SQL statement:

SELECT Player.Surname, Player.FirstName, Team.TeamName, Team.CupsWon

FROM Player, Team

WHERE Player.Position=’Forward’ AND Team.TeamName = Player.TeamName

ORDER BY Player.Surname ASC

|  |  |  |  |
| --- | --- | --- | --- |
| Striker | Alfred | Chelsea Bun F.C. | 7 |
| Wall | Brian | Manu City | 12 |
| Winner | Fred | Liverton | 7 |