



Question - 1

FIFA World Cup RunnerUp

FIFA World Cup Final Matches Information is given below in a table.

FIFA_WORLD CUP

Name	Null able	Type	Key
YEAR	No	INT	PK
HOST		VARCHAR(50)	
WINNER_CTRY		VARCHAR(20)	
FINAL_SCORE		VARCHAR(10)	
FINAL_EXTRA_TIME		CHAR(1)	
FINAL_PENALTY		VARCHAR(10)	
RUNNER_UP_CTRY		VARCHAR(20)	
THIRD_PLACE_CTRY		VARCHAR(20)	
THIRD_PLACE_SCORE		VARCHAR(20)	
THIRD_PLACE_EXTRATIME		CHAR(1)	
FOURTH_PLACE_CTRY		VARCHAR(20)	
NUMBER_OF_TEAMS		INT	

Which of participating teams reached till finals most number of times but could not win even once.

Question - 2

Programming Languages 4

You are given the table LANGUAGE (ID, NAME, USERS) where the columns represent id numbers, name of the programming language and number of users respectively.

List the names of languages having more than average number of users.

Table: **LANGUAGE**

```

+-----+-----+
| Field   | Type   |
+-----+-----+
| ID (PK) | int    |
| Name    | char(20)|
| Users   | int    |
+-----+-----+

```

Question - 3

Employee Salaries and Departments

A company uses 2 data tables, *Employee* and *Department*, to store data about its employees and departments. Write a query to print the respective *Employee Name*, *Salary*, *Department Name*, and *Location* for each employee in the *Employee* table. Sort your results by descending *Salary*; if two or more employees have the same *Salary*, then sort those employees alphabetically by *Name*.

Input Format

The *Employee* and *Department* tables are described as follows:

Employee

Field	Data Type
ID	Integer
NAME	String
SALARY	Integer
DEPT_ID	Integer

where *ID* is the employee's ID number, *NAME* is the employee's name, *SALARY* is the employee's salary in dollars, and *DEPT_ID* is the ID number for the department where the employee works.

Department

Field	Data Type
DEPT_ID	Integer
NAME	String
LOCATION	STRING

where *DEPT_ID* is the department ID number, *NAME* is the department name (category), and *LOCATION* is the office location.

Question - 4

Cricket - IPL - International grounds

Write a Query to print the country which has the Maximum # of International cricket ground. if two or more countries have the same number sort them in the ascending order of their names.

Input Format

The [IntGrounds] table is described as follows:

	Column Name	Data Type	Allow Nulls
?	p_Ground	int	<input type="checkbox"/>
	LongName	varchar(MAX)	<input checked="" type="checkbox"/>
	Country	varchar(MAX)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Question - 5

Cricket - IPL International Grounds

Write a Query to print the country along with the # of International cricket grounds in that particular country . sort your results by descending order of the country names

Input Format

The [IntGrounds] table is described as follows:

	Column Name	Data Type	Allow Nulls
?	p_Ground	int	<input type="checkbox"/>
	LongName	varchar(MAX)	<input checked="" type="checkbox"/>
	Country	varchar(MAX)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Question - 6

Orders 1

Query the *customerNumber* from the *ORDERS* table for the customer who has placed the largest number of orders. It is guaranteed that exactly one customer will have placed more orders than any other customer.

The *ORDERS* table is defined as follows:

Field	Type
orderNumber (PK)	int
orderDate	date
requiredDate	date
shippedDate	date
status	char(15)
comments	char(200)
customerNumber	int

Question - 7

Cricket - T20 - Indian ground Matches

Write a Query to print the number of T20 matches played in Indian Ground in the years 2007 and 2008. tables and thier schema that needs to be considered is

IntGrounds table :

	Column Name	Data Type	Allow Nulls
?	p_Ground	int	<input type="checkbox"/>
	LongName	varchar(MAX)	<input checked="" type="checkbox"/>
	Country	varchar(MAX)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

and T20IMatchesList table

	Column Name	Data Type	Allow Nulls
▶	p_Team1	int	<input checked="" type="checkbox"/>
	Team1	varchar(200)	<input checked="" type="checkbox"/>
	p_Team2	int	<input checked="" type="checkbox"/>
	Team2	varchar(200)	<input checked="" type="checkbox"/>
	Result	int	<input checked="" type="checkbox"/>
	Margin	varchar(200)	<input checked="" type="checkbox"/>
	BR	int	<input checked="" type="checkbox"/>
	Toss	int	<input checked="" type="checkbox"/>
	Bat	int	<input checked="" type="checkbox"/>
	p_Ground	int	<input checked="" type="checkbox"/>
	Ground	varchar(200)	<input checked="" type="checkbox"/>
	StartDate	varchar(200)	<input checked="" type="checkbox"/>
?	p_Match	int	<input type="checkbox"/>
			<input type="checkbox"/>

Question - 8

Students and Departments

A university uses 2 data tables, *Students* and *Departments*, to store data about its students and the departments associated with each major. Write a query to print the respective *department name* and *number of students* majoring in each department for *all* departments in the *Departments* table (even ones with no current students). Sort your results by descending *number of students*; if two or more departments have same number of students, then sort those departments alphabetically by *department name*.

Input Format

The *Students* and *Departments* tables are described as follows:

Students

Column Name	Type
STUDENT_ID	Integer
STUDENT_NAME	String
GENDER	Character
DEPT_ID	Integer

where *STUDENT_ID* is the student's ID number, *STUDENT_NAME* is the student's name, *GENDER* is their gender, and *DEPT_ID* is the department ID associated with their declared major.

Departments

Column Name	Type
DEPT_ID	Integer
DEPT_NAME	String

where *DEPT_ID* is the department's ID number and *DEPT_NAME* is the department name.

Question - 9

Orders 3

You are given the table *orders*, which has the schema described below.

Find the 5 oldest (earliest) orders which are not yet shipped.

Table: **ORDERS**

```
+-----+-----+
| Field      | Type      |
+-----+-----+
| orderNumber (PK)| int      |
| orderDate      | date      |
| requiredDate    | date      |
| shippedDate     | date      |
| status         | char(15)   |
| comments       | char(200)  |
| customerNumber | int        |
+-----+-----+
```

Note: If shipped status = 'Shipped'


Question - 10

Cricket - IPL International Ground

Write a Query to print the country where the number of characters is either < 3 or > 3

Input Format

The [IntGrounds] table is described as follows:

Column Name	Data Type	Allow Nulls
 p_Ground	int	<input type="checkbox"/>
LongName	varchar(MAX)	<input checked="" type="checkbox"/>
Country	varchar(MAX)	<input checked="" type="checkbox"/>
		<input type="checkbox"/>