**Introduction to SQL and various DDL statements**

**Reference Links**

* Basics of SQL and Types of SQL statements

<https://www.geeksforgeeks.org/sql-ddl-dql-dml-dcl-tcl-commands/>

<https://docs.oracle.com/cd/B19306_01/server.102/b14200/statements_1001.htm>

* DDL statements

<https://www.tutorialspoint.com/sql_certificate/using_ddl_statements.htm>

<https://www.oracle-dba-online.com/sql/oracle_data_definition_language.htm>

**Video Links**

<https://www.youtube.com/watch?v=nFYg9-LxFeo>

<https://www.youtube.com/watch?v=fWy1Dfqj1Cs>

<https://www.youtube.com/watch?v=PbUzA4ZLS_E>

<https://www.youtube.com/watch?v=kpoqVBrDztE>

**Assignments**

1. Create the following tables as per details mentioned

**Sports\_House**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Types** | **Field Size** | **Description** |
| House\_Code | Text | 5 | Unique house code Primary key |
| House\_Colour | Text | 6 | House colour |
| House\_Name | Text | 10 | Name given to the sporting house |

**Students**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Types** | **Field Size** | **Description** |
| Student\_ID | Text | 6 | Unique Student ID Primary key |
| First\_Name | Text | 50 | Student's first name |
| Last\_Name | Text | 50 | Student's last name |
| Gender | Text | 1 | Male or Female |

**Roll\_Class**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Types** | **Field Size** | **Description** |
| Roll\_Class\_Code | Text | 10 | Unique code for roll class  Primary key |
| Roll\_Class\_Standard | Number | 2 | Description of the roll class |
| Roll\_Class\_Division | Text | 1 | Division details |
| Roll\_Class\_Year | Text | 4 | Start Year (for 2012-13 : it will be 2012) |

**Student\_Roll\_details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Types** | **Field Size** | **Description** |
| Student\_ID | Text | 6 | Foreign key |
| Roll\_Class\_Code | Text | 10 | Roll class code  Foreign key |

1. Alter the Students table to add DOB column with Date datatype.
2. Modify the size of House name column to 20 characters long.
3. Modify the Students table add House\_code column as foreign key references to Sports\_house table House\_code column.
4. Rename table Student\_Roll\_details to std\_roll\_details