

Class Test 09

Hogwarts is a school of witchcraft and wizardry. To ensure proper management of their data the renowned school has decided to maintain a database system. Out of many bidders your company was hired to accomplish the task. Your job is to create a relational database for Hogwarts from the requirements specified below:

RDBMS- Oracle 10g

Language-SQL

Log in as User System and create a **user** Dumbledore who has **password** Phoenix. Dumbledore is granted **unlimited tablespace**. He is also granted the permission to **create** tables, view, sequence and synonyms. After logging in with his username and password Dumbledore creates **two tables** i.e. Student and House. **Student** table has three columns containing information about students **Identification Number, Name and House Number**. **House** table has two columns containing information about **House Number and House Name**. Here S_Id, H_Id are the **primary key columns** of Student and House table respectively. Student table also has a **foreign key** column H_No. The two tables along with their inserted data are given below:

Table: Student

<u>S_Id</u>	S_Name	H_No
2	Harry	11
7	Ron	11
12	Hannah	22
17	Cedric	22
22	Cho	33
27	Luna	33
32	Draco	44
37	Goyle	44

Table: House

<u>H_Id</u>	H_Name
11	Gryffindor
22	Hufflepuf
33	Ravenclaw
44	Slytherin
55	Harry

- Create a **sequence** that has initial value 2, increments by 5, whose maximum value is 97 and which has neither cache nor cycle. You must use the sequence to assign values to S_Id i.e. the primary key column of the Student table.
- Create an **index** on S_Id and S_Name columns from Student table.
- Write a subquery that displays those students who have IDs that are greater than Cedric's.
- Write a join query that displays the Student Name and House Name of each student.
- Create a **view** consisting of only S_Name column from Student table. Make sure to untick the auto commit option before creating the view.
- Write a query that **deletes** the created view.
- Using **rollback** re-create the deleted view.
- Create a synonym for the view you created earlier.