**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 Table: House**

|  |  |  |
| --- | --- | --- |
| S\_Id | 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 |

|  |  |
| --- | --- |
| H\_Id | 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.