

## Class Test 04

Table: Student\_info

| S_Id | S_Name  | S_CGPA | S_BloodStatus | S_BloodGroup | a_id |
|------|---------|--------|---------------|--------------|------|
| 1    | Mira    | 3.59   | Halfblood     | O+           | 11   |
| 2    | Rahman  | 3.90   | Pureblood     | A+           | 11   |
| 3    | Sharon  |        | Pureblood     | B+           | 22   |
| 4    | Caprio  | 3.21   | Pureblood     | AB+          | 22   |
| 5    | Winslet | 3.55   | Muggleborn    | AB-          | 33   |
| 6    | Khadija | 2.85   |               | O-           | 33   |
| 7    | Shekhar | 2.30   | Pureblood     | O+           | 44   |
| 8    | Florina | 3.10   | Pureblood     | B+           | 44   |

Table: Address

| a_id | city           | country    | Country_code |
|------|----------------|------------|--------------|
| 11   | Dhaka          | Bangladesh | 101          |
| 22   | Doha           | Qatar      | 102          |
| 33   | Washington D.C | USA        | 103          |
| 44   | London         | UK         | 104          |

Write down the queries of the following questions:

1. Display the name, CGPA, (CGPA-0.5) of the students from the Student\_info table.
2. Display country and country code together as "Country\_info" using concatenation function.
3. Display the student name and student blood status with the column name "Student Name" and "Student Blood Status" from Student\_info.
4. Display all students who have only one 'o' in their name.
5. Display the student name , CGPA who have null value in their CGPA.
6. Display the city, country, country\_code and those must be shown from highest numbered country code to lowest numbered country code.
7. Display the student name, student CGPA and student blood status together where the blood status is pureblood using SUBSTR.
8. Show all the students with their CGPA and blood status. If there is any null value use NVL function.
9. Find out the student who is holding maximum CGPA.

**\*\*Solve the above questions (1 to 9) with SQL. Afterwards solve the same questions with PL/SQL. Write down the answer and give screenshot of the results of the query in a MS Word document. You must use Oracle 10g. The name of the document MUST be your ID (solutions MUST be numbered accordingly) and upload it in the provided link in your VUES account**