**Lab 8**

Teacher:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TeacherID** | **Name** | **Office** | **Phone** | **Salary** | **Email** |
| T001 | Dr. Najma Waheed | F001 | 9125 | 150000 | [najma@uni.edu.pk](mailto:najma@uni.edu.pk) |
| T002 | Dr. Nouman Masood | F003 | 5291 | 175000 | [nouman@uni.edu.pk](mailto:nouman@uni.edu.pk) |
| T003 | Dr. Farhana Khan | F001 | 9222 | 125000 | [farhana@uni.edu.pk](mailto:farhana@uni.edu.pk) |

**Class:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ClassID** | **CourseCode** | **DayofWeek** | **StartTime** | **EndTime** | **Venue** |
| A001 | CS403 | Monday | 09:00 AM | 10:00 AM | A Block |
| B002 | CS301 | Tuesday | 09:00 AM | 10:00 AM | B Block |
| C003 | CS201 | Monday | 10:30 AM | 12:00 PM | C Block |

Consider the above given tables and perform the following Tasks;

1. Count the number of teachers
2. Count the unique courses from Classes table
3. List subject-wise classes according to earlier end time.
4. Calculate the average salary of the teachers sitting in the same office with office not null.

**Solution:**

**1:**

Select count(\*) from Teacher;

**2:**

Select count(distinct CourseCode) As All\_Courses

from Class;

**3:**

Select Min(EndTime) As Late\_Classes

from Class

GROUP BY CourseCode;

**4:**

Select AVG(Salary)

From Teacher

GROUP BY Office

Having Office IS NOT NULL;