**Database Systems Lab**

**(BSCS F18 Morning)**

**Lab 11 version 1**

**Instructions:**

• You must complete all tasks individually. Absolutely **NO** collaboration is allowed.

• Any traces of plagiarism/cheating would result in an “F” grade in this course.

• Late submissions will **NOT** be accepted, in any case.

• Please use the Format of your answers as sample shared to you.

**Submission Procedure:**

• You are also required to submit .docx (Microsoft Word) file.

* Name of your file should be **YourRollNumber\_Lab\_Number**

e.g. BCSF18M00X\_Lab\_11.

• The file should contain the question, the query and the clear screen short of output after running the query.

• You have to submit your lab file to:

* **MCSF19M002@PUCIT.EDU.PK**

• The subject of the email should be **YourRollNumber\_LabVersion#**. e.g. BCSF18M00X\_Version1.

• **Submission Time: 4:00 pm**

**Task 1**

Insert a new row using PL/SQL block in Employees Table with your roll number digits (BCSF18A123 = 123) as empno, your name as ename and other values of your own choice.

**Task 2**

Declare two variables (1 number and 1 varchar) and store your roll number digits and your name respectively and display them on console as follows:

My Roll Number is: 12

My Name is: Muhammad Ahmed

**Task 3**

Declare a variable and take input from user in that variable. If number is less than 100, multiply that number with 10, if greater, multiply with 5 and display on console.

**Task 4**

Take user’s marks of a subject as input and display his GPA and Grade (i.e A, A-, B+…) in that subject according to PUCIT policy. Make decision using SWITCH in PL/SQL.

**Task 5**

Insert a new row using PL/SQL block in Employees Table by taking all inputs from user with appropriate message.

**Task 6**

Create a Procedure displayAllEmployees without any parameter that displays complete data of EMP table.

**Task 7**

Create a Procedure insertIntoEMP with all appropriate parameters (required to insert in the row) to insert a new row in Emp Table. Execute that Procedure. Then Display newly inserted row.

**Task 8**

Create a Procedure getTotalJobDays that takes employee name as parameter and returns the number of days since he was hired. Execute that procedure as well.

**Task 9**

Create an index on ename in emp table.

**Task 10**

Remove the above index.