**Database Systems Lab**

**(BSCS F18 Morning)**

**Lab 10 version 2**

**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\_10.

• 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 Both of the TA’s:

* **MCSF18M005@PUCIT.EDU.PK**

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

• **Submission Deadline: 5:00 pm**

1. Write a PL/SQL statement that will print your name on the screen
2. Write a PL/SQL statement that will declare & Initialize a variable and print its value.
3. Write a PL/SQL statement that will take a number at run time. Print “Pass” if number is greater than or equal to 50 or “Fail” otherwise.
4. Write a procedure which will take 2 numbers as parameters and display their product.
5. Write a procedure which will insert a row in dept table
6. Write a function which will take a year as a parameter.it should return “leap year” if the year is a leap year or “Not leap year “otherwise.
7. Write a function which takes an integer as a parameter and returns “Even Number” if the number is even and “Odd Number ”if the number is odd. You are not allowed to use MOD() function.
8. Write a function which will take empno (emp table) as a parameter and returns the salary of the employee
9. Write a procedure which will take empno as a parameter and display the ename and salary of the employee.
10. Write a PL/SQL block to differenciate between CHAR and VARCHAR2 datatype.
11. Write a PL/SQL block to calculate the sum of comm and salary of an employee getting input of it’s empno.
12. Write a code to insert data by getting user input into customer table you created in last lab.
13. Write a SQL query to get the last record of the table emp
14. Write a PL/SQL program to convert a temperature in scale Fahrenheit to Celsius and vice versa.
15. Write a function to get the marks of a student as input and showing Grade as output. (<50 F, <60 E, <70 D, <75 C, <80 B, >=85 A)