**ASSIGNMENT – I**

1. **What is SQL?**

**Ans.** SQL stands for Structured Query Language. It is a standardized language performing various operations on the data in them. It is mainly used for manipulating and querying data in the database.

1. **Explain several parts of SQL.**

**Ans.**  There are main four component of SQL:-

* DDL (Data Definition Language): This component deals with the changes made in the schema of the table.
* DML (Data Manipulation Language): This components of SQL is mainly used to manipulate the data.
* DCL (Data Control Language): This component of SQL language is used to create privelages to allow user access to or manipulate the database.
* TCL (Transaction Control Language): This component of SQL are used to manage transaction in the database.

1. **Difference between varchar(n) and varchar2(n).**

**Ans.**

|  |  |
| --- | --- |
| Varchar(n) | Varchar2(n) |
| 1. Varchar (n) is reserved by oracle to support distinction between NULL and empty string. | 1. Varchar2 (n) cannot distinguish between NULL and empty String. |
| 1. It is an internal data type. | 2. It is an external data type |

1. **Difference between desc <table\_name> and Select \* from<table\_name>.**

**Ans.**  Desc <table\_name>: It mainly gives the description of the table, I.e, it displays the description of the table. It consist a “NULL;” column.

Select \* from <table\_name>: It is a function to display the constants that we have taken input in the table.

1. **Create and insert into employee table with empno, empname, designation & salary.**

**Ans.**

* create table employee

(

empno number(4),

ename varchar2(10),

designation varchar2(10),

salary number(8,2)

);

* insert into employee values(000,’Abhinav’,’Leader’,888);
* insert into employee values(&empno,'&ename','&designation',&salary);

Enter value for empno: 001

Enter value for ename: Swagata

Enter value for designation: Teacher

Enter value for salary: 777

old 1: insert into employee values(&empno,'&ename','&designation',&salary)

new 1: insert into employee values(001,'Swagata','Teacher',777)

* insert into employee values(&empno,'&ename','&designation',&salary);

Enter value for empno: 011

Enter value for ename: Aditya

Enter value for designation: Singer

Enter value for salary: 555

old 1: insert into employee values(&empno,'&ename','&designation',&salary)

new 1: insert into employee values(011,'Aditya','Singer',555)

* insert into employee values(&empno,'&ename','&designation',&salary);

Enter value for empno: 111

Enter value for ename: Atharva

Enter value for designation: Advisor

Enter value for salary: 111

old 1: insert into employee values(&empno,'&ename','&designation',&salary)

new 1: insert into employee values(111,'Atharva','Advisor',111)

**OUTPUT**

Table employee :-

