**MySQL Programs (Stored Procedure)**

Create table EMP ( EMPNO numeric(4) not null, ENAME varchar(30) not null, JOB varchar(10), MGR numeric(4), HIREDATE date, SAL numeric(7,2), DEPTNO numeric(2) );

Insert into EMP (EMPNO ,ENAME, JOB, MGR, HIREDATE, SAL, DNO ) values(1000, 'Manish' , 'SALESMAN', 1003, '2020-02-18', 600, 30) ;

Insert into EMP (EMPNO ,ENAME, JOB, MGR, HIREDATE, SAL, DNO ) values(1001, 'Manoj' , 'SALESMAN', 1003, '2018-02-18', 600, 30) ;

Insert into EMP (EMPNO ,ENAME, JOB, MGR, HIREDATE, SAL, DNO ) values(1002 , 'Ashish', 'SALESMAN',1003 , '2013-02-18', 750, 30 );

Insert into EMP (EMPNO ,ENAME, JOB, MGR, HIREDATE, SAL, DNO ) values(1004, 'Rekha', 'ANALYST', 1006 , '2001-02-18', 3000, 10);

Insert into EMP (EMPNO ,ENAME, JOB, MGR, HIREDATE, SAL, DNO ) values(1005 , 'Sachin', 'ANALYST', 1006 , '2019-02-18', 3000, 10 );

Insert into EMP (EMPNO ,ENAME, JOB, MGR, HIREDATE, SAL, DNO ) values(1006, 'Pooja', 'MANAGER' , null , '2000-02-18' ,6000, 10 );

Create table dept (dno numeric(4) not null, dname varchar(10) not null,area varchar(30));

Insert into dept(dno,dname,area) values(10,'Store','Mumbai');

Insert into dept(dno,dname,area) values(20,'Purchase','Mumbai');

Insert into dept(dno,dname,area) values(30,'Store', 'Delhi');

Insert into dept(dno,dname,area) values(40,'Marketing','Pune');

Insert into dept(dno,dname,area) values(50,'Finance','Delhi');

Insert into dept(dno,dname,area) values(60,'Accounts','Mumbai');

1. Write a Procedure that accepts values of two non-zero numbers using IN parameter and perform addition, subtraction, multiplication, division and print.
2. Write a Procedure to print the string in REVERSE order. Take the input using IN parameter. (Ex .Database , o/p :esabatad)
3. Write a Procedure to display top 5 employee based on highest salary and display employee number, employee name and salary.
4. Write a Procedure to create table emp\_test with e\_id integer, e\_name varchar(10), e\_joining\_date date as columns
5. Write a Procedure to add a department row in the DEPT table with the following values for columns

deptno vaue 60,Dname value should be ‘Education’, area value should be Pune.

1. Write a program that declares an integer variable called num, assigns a value to it and print, the value of the variable itself, its square, and its cube.
2. Write a program that declares an integer variable assign a value to it and display it using OUT parameter.
3. Write a program that demonstrates the usage of IN and OUT parameters.

CREATE PROCEDURE SP\_8(IN X INT,OUT STR VARCHAR(50))BEGINSELECT concat(E.ENAME,' IS FROM ',D.DNAME) INTO STR FROM EMP E INNER JOIN DEPT D ON D.DNO=E.DEPTNO WHERE E.DEPTNO=X AND E.EMPNO=1004;END $$