

## Assignment-5

```
create database MySql_ASS1;
use MySql_ASS1;
create table emp(emp_no numeric(4) not null,emp_name varchar(30) not
null,job varchar(10),MGR numeric(4),HIREDATE date,SAL
numeric(7,2),Deptno numeric(2));

insert into emp(emp_no,emp_name,job,MGR,HIREDATE,sal,Deptno)
values(1000, 'Manish' , 'SALESMAN', 1003, '2020-02-18', 600, 30);
insert into emp(emp_no,emp_name,job,MGR,HIREDATE,sal,Deptno)
values(1001, 'Manoj' , 'SALESMAN', 1003, '2018-02-18', 600, 30);
insert into emp(emp_no,emp_name,job,MGR,HIREDATE,sal,Deptno)
values(1002 , 'Ashish', 'SALESMAN',1003 , '2013-02-18', 750, 30 );
insert into emp(emp_no,emp_name,job,MGR,HIREDATE,sal,Deptno)
values(1004, 'Rekha', 'ANALYST', 1006 , '2001-02-18', 3000, 10);
insert into emp(emp_no,emp_name,job,MGR,HIREDATE,sal,Deptno)
values(1005 , 'Sachin', 'ANALYST', 1006 , '2019-02-18', 3000, 10 );
insert into emp(emp_no,emp_name,job,MGR,HIREDATE,sal,Deptno)
values(1006, 'Pooja', 'MANAGER' , null , '2000-02-18' ,6000, 10
);
```

```
select * from emp;
```

emp_no	emp_name	job	MGR	HIREDATE	SAL	Deptno
1000	Manish	SALESMAN	1003	2020-02-18	600.00	30
1001	Manoj	SALESMAN	1003	2018-02-18	600.00	30
1002	Ashish	SALESMAN	1003	2013-02-18	750.00	30
1004	Rekha	ANALYST	1006	2001-02-18	3000.00	10
1005	Sachin	ANALYST	1006	2019-02-18	3000.00	10
1006	Pooja	MANAGER	NULL	2000-02-18	6000.00	10

6 rows in set (0.00 sec)

```
create table dept(dept_no numeric(4) not null,dept_name varchar(10) not
null,area varchar(30));
Insert into dept(dept_no,dept_name,area) values(10,'Store','Mumbai');
Insert into dept(dept_no,dept_name,area) values(20,'Purchase','Mumbai');
Insert into dept(dept_no,dept_name,area) values(30,'Store','Delhi');
Insert into dept(dept_no,dept_name,area) values(40,'Marketing','Pune');
Insert into dept(dept_no,dept_name,area) values(50,'Finance','Delhi');
Insert into dept(dept_no,dept_name,area) values(60,'Accounts','Mumbai');
```

```
select * from dept;
```

```
mysql> select * from dept;
```

dept_no	dept_name	area
10	Store	Mumbai
20	Purchase	Mumbai
30	Store	Delhi
40	Marketing	Pune
50	Finance	Delhi
60	Accounts	Mumbai

6 rows in set (0.00 sec)

1)Write a Procedure that accepts values of two non-zero numbers using IN parameter and perform addition, subtraction, multiplication, division and print.

```
delimiter $$
create procedure Ques1(in x int,in y int)
begin
select x+y as addd;
select x-y as sub;
select x*y as mult;
select x/y as divv;
end$$
```

```
call Ques1(5,10);
```

2)Write a Procedure to print the string in REVERSE order. Take the input using IN parameter. (Ex .Database , o/p :esabatad)

```
delimiter $$
create procedure Ques2(inout str varchar(10))
begin
set @str=(Select reverse(str));
end $$
```

```
set@x='HelloWorld';
call ques2(@x);
```

3)Write a Procedure to display top 5 employee based on highest salary and display employee number, employee name and salary.

```
delimiter $$
create procedure Ques3()
begin
select empno,empno,sal from emp order by sal desc limit 5;
end $$
```

4)Write a Procedure to create table emp\_test with e\_id integer, e\_name varchar(10), e\_joining\_date date as columns

```
delimiter $$
create procedure Ques4()
begin
create table emp_test(
emp_ID int,
ename varchar(10),
e_joining_date date
);
end $$
```

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.

```
delimiter $$
create procedure Ques5(in x varchar(10),in y int,in z varchar(10))
begin
insert into dept values(x,y,z);
```

```
end $$
```

```
set @x='education';  
set @z='pune';  
call Ques5(@x,50,@z);  
select * from dept;
```

6) 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.

```
DELIMITER $$  
CREATE PROCEDURE QUES6(INOUT NUM INT,OUT SQR INT,OUT CUBE1 INT)  
BEGIN  
DECLARE NUM1 INT;  
SET NUM1=NUM;  
SELECT NUM,POWER(NUM,2) AS SQUARE,POWER(NUM,3) AS CUBE1 INTO  
NUM,SQR,CUBE1;  
END$$
```

```
SET @NUM=2;  
CALL QUES6(@NUM,@SQR,@CUBE1);
```

7) Write a program that declares an integer variable assign a value to it and display it using OUT parameter.

```
DELIMITER $$  
CREATE PROCEDURE QUES7(OUT ANS INT)  
BEGIN  
DECLARE NUM INT;  
SET NUM=2;  
SELECT NUM INTO ANS;  
END$$
```

```
CALL QUES7(@ANS);  
SELECT @ANS;
```

6)