create table cust(c\_id int(20) primary key,c\_name char(20) );

table created.

create table Item(item\_id varchar(20) primary key,item\_name char(20), price int(20) );

create table Sales(bill\_no varchar(20) primary key, bill\_date date, c\_id int(20), foreign key(c\_id) references cust(c\_id) ,item\_id varchar(20), foreign key(item\_id) references Item(item\_id), qty\_sold int(10));

week2-

create table student(s\_no int(20) primary key, s\_name char(20));

create table Membership(m\_no varchar(20) primary key, s\_no int(20),foreign key(s\_no) references student(s\_no));

create table Book(b\_no varchar(20) primary key, b\_name char(20), author char(20));

create table iss\_rec(iss\_no varchar(20) primary key,iss\_date date, m\_no varchar(20),foreign key(m\_no) references Membership(m\_no),b\_no varchar(20),foreign key(b\_no) references Book(b\_no) );

Week3-

create table employee(e\_id int(20) primary key, e\_name char(20));

create table department(d\_id varchar(20) primary key, d\_name char(20));

create table pay\_details(e\_id int(20), foreign key(e\_id) references employee(e\_id),d\_id varchar(20), foreign key(d\_id) references department(d\_id),basic int(20), deductions int(20), additions int(20),DOJ date);

create table pay\_roll(e\_id int(20), foreign key(e\_id) references employee(e\_id),paydate date);

Week4-

create table cust(c\_id int(20) primary key, c\_name char(20));

varchar(20) primary key, c\_id int(20),foreign key(c\_id) references cust(c\_id));

create table cassette(cass\_no varchar(20) primary key,cass\_name char(20),language char(20));

create table iss\_rec(iss\_no varchar(20) primary key,iss\_date date,m\_no varchar(20),foreign key(m\_no) references membership(m\_no), c\_id int(20),foreign key(c\_id) references cust(c\_id));

Week5-

create table class(class char(20) primary key,descibe char(20));

create table student(s\_no int(20) primary key,s\_name char(20),class char(20),foreign key(class) references class(class));

create table lab(mach\_no varchar(20) primary key,lab\_no int(20) ,desciption char(50));

create table allotment(s\_no int(20) ,foreign key(s\_no) references student(s\_no), mach\_no varchar(20), foreign key(mach\_no) references lab(mach\_no), dayOfWeek char(20));

Week1-

insert into cust values('0','Ashfaq');

insert into cust values('1','Nisar');

insert into cust values('2','Mohammed');

insert into cust values('3','Sharan');

Week1-

F - select s.c\_id, count(s.item\_id) from sales s,item i, cust c where c.c\_id = s.c\_id and i.item\_id = s.item\_id group by s.item.id;

Week2-

D - select i.iss\_no ,s.s\_name, b.b\_name from student s,membership m, iss\_rec i , book b where s.s\_no= m.s\_no and m.m\_no = i.m\_no and b.b\_no = i.b\_no and i.iss\_date = '2018-04-13' ;

F- select m.s\_no,count(i.B\_no) from iss\_rec i, membership m where m.m\_no = i.m\_no group by m.s\_no;

Week3 –

F- select d.d\_name , count(p.e\_id) from pay\_details p, department d where d.d\_id = p.d\_id group by p.e\_id;

Procedure –

1-

DELIMITER //

CREATE PROCEDURE P1(IN n int)

BEGIN

DECLARE rem int;

DECLARE rev int;

SET rev:=0;

WHILE n>0 DO

SET rem := n mod 10;

SET rev := rem + (rem \* 10);

SET n := floor(n/10);

end WHILE;

SELECT rev;

END;

//

2\_

CREATE PROCEDURE POC1(IN ID INT)

BEGIN

DECLARE emp\_id int;

SET emp\_id:=ID;

IF emp\_id>0 THEN

UPDATE emp SET sal = sal + 6000;

ELSE

SELECT 'Employee id id wrong ' emp\_id;

END IF;

END;

3-

Delimiter ///

Create Procedure pro\_in(in var1 int)

Begin

Select var1 + 2 as result;

End;

///

Output-

Call pro\_in (6 )----8

Create Procedure pro\_out(out id int)

Begin

Select count (\*) into id from emp where sal>1000;

End:///

Output

Call pro\_out(4)---11

Create Procedure Pro\_in\_out(inout a int)

Begin

Declare p int;

Set p:=-1

Repeat

Set p:=p\*a;

Set a:=a-1;

Until a<=1;

End repeat;

Set a:=p;

Select a;

End;

///

Set @a = 5;///

Output

Call pro\_in\_out(@a);//

A

120

Functions

1-

Create function palin (name char(20))

Returns char(20);

Begin

Declare st1 char(20);

Declare rev char(20);

Set rev:= reverse(name);

If strcmp (name, rev = 0)then

Set st=’palindrome’;

Else

Set st = ‘Not A Palindrome’;

End if;

Return st;

End;///

Output-

Select palin(‘mam’)

Palindrome.

2-

Create table emp(eid int,dept char(20),sal int)

Create function f1()

Begin

Declare totalsal int;

Select sum(sal) into totalsal from emp where sal=2000;

Return totalsal;

End;///

Output-

Select f1()

Triggers

Create trigger upemp before update on emp for each row

Begin

If (old.salary>1500) then

Set newSalary = oldSalary +500;

End if;

End;//

Output

Update emp set employee set name = sai where eid=104;