```
SHOW DATABASES;

USE bscs_1;


SHOW TABLES;


--b

desc employee;


ALTER TABLE employee DROP FOREIGN KEY employee_ibfk_1;

desc employee;

ALTER TABLE employee ADD CONSTRAINT FOREIGN KEY (DeptNo) REFERENCES department(DeptNo)
ON DELETE CASCADE ON UPDATE CASCADE;


desc employee;


--c

SHOW CREATE TABLE employee;

SHOW CREATE TABLE department;


--d

CREATE view View_d AS SELECT * FROM employee WHERE DeptNo = 30;


--e

CREATE view View_e as select job, COUNT(*) as Num_Emp from employee GROUP BY job;


--f

CREATE view View_f as select * from employee where Ename like 't%';


--g

CREATE view View_g as select DISTINCT job from employee ORDER BY job DESC;


--h

CREATE view View_h as select job, sum(Salary) as Total_Sal from employee GROUP BY job;
```

```
--i

CREATE view View_i as select job, AVG(salary) as Avg_Sal from employee GROUP BY job HAVING
AVG(salary)>26000;


--j

CREATE view View_j as select job, AVG(salary) as Avg_Sal, SUM(salary) as Total_Sal from employee
GROUP BY job;


--k

ALTER TABLE department add COLUMN location VARCHAR(50);


--l

ALTER TABLE department modify Dname VARCHAR(50);


--m

show FULL TABLEs where TABLE_type ='BASE TABLE';

show FULL TABLEs where TABLE_type ='VIEW';


show full TABLEs;


--n

CREATE view View_n as select

EmpNo, Ename,

case when DeptNo =10 then  'Computing Dept'

when DeptNo =30 then  'Business Dept'

when DeptNo =40 then 'Marketting Dept'

else 'N/A' end as department from employee;


select * from view_n;


--o

CREATE view View_o as select
```

```
EmpNo, Ename,
case when DeptNo =10 then  Salary*1.08
when DeptNo =30 then  Salary*1.12
when DeptNo =40 then Salary*1.1
else Salary end as Salary_Inc from employee;

select * from view_o;

--p
start TRANSACTION;
--q
update employee set salary= 80000, job ='Cleaner' where EmpNo='E004';
--r
delete from employee WHERE EmpNo = 'E002';

--s
desc employee;

--t
rollback;

SELECT * FROM employee;
```