SQL commands for creation of views

Question 1

Create a table employee with the following fields and create a view which contains the name and salary > 20000 and update the view by changing employees salary to 999.

EMP_no: int primary key,
Emp_name: string
Job : string
Hiredata: date,
Salary: float,
Comm: Float,
Depno: int

Ans:

 # create table Emp

create table Emp(EMP_no int primary key, Emp_name varchar(10), Job varchar(10), Hiredata date, Salary float, Comm Float, Depno int);

 # insert data
INSERT INTO Emp VALUES(1,'Steven', 'Marketing', STR_TO_DATE('06-jan-1995', '%d-%M-%Y'),24000, NULL,2);
INSERT INTO Emp VALUES(2,'Neena', 'FI_ACCOUNT', STR_TO_DATE('06-feb-1987', '%d-%M-%Y'),34000, NULL,1);
INSERT INTO Emp VALUES(3,'Lex', 'FI_MGR', STR_TO_DATE('06-jan-1980', '%d-%M-%Y'),240000, NULL,1);
INSERT INTO Emp VALUES(4,'Alexander', 'Sa_Rep', STR_TO_DATE('06-jun-1987', '%d-%M-%Y'),20000, NULL,4);
INSERT INTO Emp VALUES(5,'Bruce', 'IT_PROG',STR_TO_DATE('06-jul-1990', '%d-%M-%Y'),24000, NULL,4);

 # create view
create view emp_view as select EMP_no, Emp_name, Salary from Emp where Salary>20000;
*select * from emp_view ;*

 # update salary in view
update emp_view set Salary = 999;

 # verify, the Emp table is updated
*select * from Emp;*

Question 2
Create a view having Enp_name and Job. Update the job of Steven from *Marketing to “MK_MGR” in Emp and show the update is reflected in the view.*

```
# create view
create view job_view as (select  Emp_name, Job from Emp );

# show view
select * from job_view;

# update data in Emp
update Emp set Job = 'MK_MGR' where Emp_name = 'Steven';

# show view and verify update is reflected
select * from job_view;

# show Emp and verify update is reflected
select * from Emp;
```