1. Create a Database by the name Company. Then Create a Table ‘Departments’ with column names Dept\_ID(PK, smallint), Dept\_Name(nchar(10), not null). Dept\_ID is Primary Key ID and should start with 1 and it’s an auto incremented field

SOL:

create database company;

Commands completed successfully.

Completion time: 2023-04-23T11:14:56.5974525+05:30

create table department(

dept\_id smallint primary key identity(1,1),

dept\_name nchar(10) not null

)

Commands completed successfully.

Completion time: 2023-04-23T11:24:59.1683579+05:30

2. Insert 6 Records in Departments Table with Department Names HR, Software, Admin, Payroll, Security, Info.

insert into department(dept\_name)

values('HR')

insert into department(dept\_name)

values('Software')

insert into department(dept\_name)

values('Admin')

insert into department(dept\_name)

values('Payroll')

insert into department(dept\_name)

values('security')

insert into department(dept\_name)

values('info')

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

Completion time: 2023-04-23T11:38:30.6025386+05:30

3. Company decides to change the department name from HR to HRD and Payroll to Finance. So, change the name accordingly using update query.

update department set [dept\_name]='HRD' where [dept\_name]='HR'

(1 row affected)

Completion time: 2023-04-23T12:13:19.9893072+05:30

update department set [dept\_name]='Finance' where [dept\_name]='Payroll'

(1 row affected)

Completion time: 2023-04-23T12:14:20.1533997+05:30

SELECT TOP (1000) [dept\_id]

,[dept\_name]

FROM [company].[dbo].[department]

4. Create a Table by the name Branches with columns BID(PK,smallint), Branch\_Name(nchar(20)) and Insert 4 Records with Branch Names 'Mumbai', 'Delhi', 'Chennai','Kollkata'.

create table branches(

bid smallint primary key identity(1,1),

branch\_name nchar(20)

)

Commands completed successfully.

Completion time: 2023-04-23T22:56:27.1351126+05:30

insert into branches(branch\_name)

values

('Mumbai')

insert into branches(branch\_name)

values

('Delhi')

insert into branches(branch\_name)

values

('Chennai')

insert into branches(branch\_name)

values

('Kolkata')

