Create a table named Departments which contains the following columns

1) Id bigint (not null) PK
2) Name nvarchar(50) (not null)
3) Description nvarchar(MAX) (not null)
4) FloorNumber int (null)

- **Apply Identity to Id column**

Insert the following 4 records into the table:

Name: IT Department
Description: Handles all technical infrastructure and software development.
FloorNumber: 3

Name: HR Department
Description: Responsible for recruitment, payroll, and employee welfare.
FloorNumber: 2

Name: Finance Department
Description: Manages company budgets, accounting, and financial reporting.
FloorNumber: 4

Name: Marketing Department
Description: Focuses on branding, advertising, and public relations.
FloorNumber: 5

Perform the following operations:

✓**Read all records from the table ordered by floor number**

✓Read a single record by its Id

✓Update the FloorNumber of one department by id

✓Delete one department by Id

Answer :

```
-- add new table with sql instead of using the interface
Create Table Departments(
Id bigint IDENTITY(1,1) PRIMARY KEY,
Name NVARCHAR(50) NOT NULL,
Description NVARCHAR(MAX) NOT NULL,
FloorNumber int NULL
);

Insert into departments(Name,Description, FloorNumber)
values ('IT Department', ' Handles all technical infrastructure and software development.', 3),
('HR Department', ' Responsible for recruitment, payroll, and employee welfare', 2),
('Finance Department', 'Manages company budgets, accounting, and financial reporting.', 4),
('Marketing Department', ' Focuses on branding, advertising, and public relations', 5)
;


select * from departments
order by FloorNumber desc;

select * from Departments
where Id = 2;

update Departments
set FloorNumber = 3
where id = 2;

delete from Departments
where id = 1;
```