Answer the following questions:-

1. Insert a new employee named "Alice Johnson" with an EmployeeID of 3. Write the SQL command to insert this new employee.

```
INSERT INTO Employee (EmployeeID, EmployeeName) VALUES (3, 'Alice
Johnson');
```

2. Insert a new assignment with Assignment_ID of 3, assigning date '2024-07-23', for the 'HR' department and the 'Project Alpha' project. Write the SQL command to insert this new assignment.

```
INSERT INTO Assignment (Assignment_ID, assigning_date, Department_ID,
Project_Id)
VALUES (3, '2024-07-23',
        (SELECT Department_ID FROM Department WHERE Department_Name =
'HR'),
        (SELECT ProjectId FROM Project WHERE ProjectName = 'Project
Alpha'));
```

3. Add a new column Email of type VARCHAR(100) to the Employee table. Write the SQL command to alter the Employee table.

```
ALTER TABLE Employee ADD COLUMN Email VARCHAR(100);
```

4. Change the data type of the Department_Name column in the Department table from VARCHAR(225) to VARCHAR(255). Write the SQL command to alter the Department Table.

```
ALTER TABLE Department MODIFY COLUMN Department_Name VARCHAR(255);
```

5. Increase the salary of all employees who work in the 'IT' department by 10%. Assume there is a salary column in the Employee table. Write the SQL command to perform this update.

```sql
ALTER TABLE Employee ADD COLUMN salary DECIMAL(10, 2);


SET SQL_SAFE_UPDATES = 0;
UPDATE Employee
SET salary = salary * 1.10
WHERE EmployeeID IN (
    SELECT EmployeeID
    FROM Department
    WHERE Department_Name = 'IT'
);

SET SQL_SAFE_UPDATES = 1;
```