Question1:

|  |
| --- |
| * Write a SQL query to retrieve all columns from a table named employees. |
| Solution: select \* from employees |
| * Write a SQL query to retrieve the emp\_id, emp\_name, and dept\_id from the employees table, where the location is 'Cairo'. |
| Solution: SELECT emp\_id, emp\_name, dept\_id FROM employees WHERE location = 'Cairo'; |

Question2:

|  |
| --- |
| * Write a SQL query that displays distinct dept\_id values from the employees table. |
| Solution: select distinct dept\_id from employees; |

Question3:

|  |
| --- |
| * Write a SQL query to create a table students with the following columns: ID (Primary Key), First\_Name (not null), Last\_Name (default 'Unknown'), Address (default 'N/A'), City (default 'N/A'), and Birth\_Date. |
| Solution: create table student (ID int primary key,First\_Name varchar(50) not null,  Last\_Name varchar (50) DEFAULT 'Unknown',Address VARCHAR(100) DEFAULT 'N/A',  City varchar (50) DEFAULT 'N/A', Birth\_Date DATE); |
| * Write a SQL query to drop the students table. |
| Solution: DROP TABLE students; |

Question4:

|  |
| --- |
| * Write a SQL query to insert the following values into the students table: ('Ahmed', 'Ali', 'Downtown', 'Cairo', '1995-01-01'). |
| Solution: insert into students(ID,First\_Name,Last\_Name,Address,City,Birth\_date)  values (1,'Ahmed', 'Ali', 'Downtown', 'Cairo', '1995-01-01') |
| * Write a SQL query to update the Address of the student with Last\_Name = 'Ahmed' to 'Garden City'. |
| Solution: update students set address='Garden City' where Last\_Name='Ahmed' |

Question5:

|  |
| --- |
| * Write a SQL query to delete the rows from the students table where City is 'Cairo', and then rollback the transaction |
| Solution: begin TRANSACTION  delete from students where city='cairo'  rollback |