Week – 7
Hands on Lab Questions

1. Table: Students

Student_ID	Firstname	Lastname	Age	Gender	Grade
1	Rakesh	Shrestha	19	Male	A
2	Binita	Bhandari	21	Female	B
3	Bobby	Sherpa	20	Male	C
4	Sagar	Parajuli	22	Male	A
5	Prajina	KC	21	Female	B

Queries:

a. Retrieve all data from the Students Table

b. Retrieve first name and last name of all students

c. Retrieve only the students who have a grade A

d. Retrieve only the students who are older than 20

e. Retrieve the count of male and female students

f. Update the grade of a specific student (e.g. StudentID=3)

g. Increment the age of all male students by 1

h. Update the grade of all female students who have a grade of 'B' to 'A'

2. Table: Customers

Customer_ID	Firstname	Lastname	Age	Gender	Email
1	Kabir	Sharma	25	Male	kabir@gmail.com
2	Haris	Shrestha	30	Male	haris@gmail.com
3	Deepti	Singh	26	Female	deepti@gmail.com

Table: Orders

OrderID	CustomerID	OrderDate	Total
1	1	2023-04-06	1000
2	1	2023-04-01	3000
3	2	2023-03-22	3500
4	3	2023-04-04	2300

Table: OrderItems

OrderItemID	OrderID	ProductItems	Quantity	Price
1	1	Product A	2	1200
2	1	Product B	3	1345
3	2	Product C	4	1360

4	3	Product D	5	950
5	3	Product E	1	1125
6	4	Product F	2	1780
7	4	Product G	1	1560
8	3	Product H	3	1220

Queries:

a. Retrieve all orders along with the customer details

b. Retrieve all orders along with the customer details and order items

c. Retrieve the customer details for a specific order (e.g. OrderID=2)

d. Retrieve all orders for a specific customer (e.g. CustomerID=1)

e. Retrieve the total revenue generated by each customer