SQL STUDENT PREP TASK

Q1:

STUDENT

Student ID	STUDENTS NAME
1000	MISBAH
1001	MAHAM
1002	MARYAM
1003	UMAIMA
1004	FATMAH
1005	ZAINAB
1006	AFFAN
1007	OSMAN
1008	HASSAN
1009	HAMZA
1010	ZUBAIR
1011	ABUBAKAR
1012	OMER

MARKS

Here STUDENT ID as a foreign key

ROLL NUMBER	STUDENT ID	PASSING YEAR	EXAMINATION	OBTAINED MARKS	RESULT
311000	1000	2020	ANNUAL	810	PASS
311001	1002	2021	ANNUAL	710	PASS
311002	1003	2020	ANNUAL	710	PASS
311003	1004	2020	ANNUAL	650	PASS
311004	1005	2020	ANNUAL	555	PASS
311005	1006	2020	ANNUAL	315	FAIL
311006	1007	2019	SUPPLY	710	PASS
311007	1010	2020	ANNUAL	810	PASS
311008	1011	2018	SUPPLY	550	PASS
311009	1012	2021	ANNUAL	610	PASS
311010	1008	2021	ANNUAL	880	PASS
311011	1009	2020	ANNUAL	661	PASS
311012	1001	2020	ANNUAL	888	PASS

STUDENT DETAIL

Here ROLL NUMBER as a foreign key

Id	Address	EMAIL	DATE OF BIRTH	ROLL NUMBER
1	NORTH	a@gmail.com	10-10-2001	311000
2	NAZIMABAD	b@gmail.com	10-1-2000	311002
3	GULSHAN	c@gmail.com	10-11-2003	311003
4	FBAREA	d@gmail.com	10-12-2002	311004
5	NORTH	e@gmail.com	10-9-2003	311005
6	NAZIMABAD	f@gmail.com	10-8-2004	311006
7	GULSHAN	g@gmail.com	10-7-2005	311007
8	FBAREA	h@gmail.com	10-6-2000	311010
9	NORTH	i@gmail.com	10-9-1998	311011
10	NAZIMABAD	j@gmail.com	10-4-1999	311012
11	GULSHAN	k@gmail.com	10-3-1997	311008
12	FBAREA	l@gmail.com	10-9-1999	311009
13	GULSHAN	m@gmail.com	10-9-1999	311001

Create These Tables and Show the **Student Name**, **Obtained Marks, Result, Email, Address,** and **DATE OF BIRTH** Using **INNER JOIN**

SYNTAX

```
SELECT column name
FROM table1
INNER JOIN table2
ON table1.column_name = table2.column_name;

INNER JOIN table3
ON table2.column_name = table3.column_name;
```

Q2: Inventory Management System (POS System)

CATEGORY

Category ID	Category
1	Mobile
2	Laptop
3	Mobile Accessories

PRODUCTS

Here Category ID as a foreign key

Product Id	Product Name	Price	Product Quantity	Status	Category ID
1	Nokia3310	5000	10	active	1
2	Iphone12	100000	3	active	1
3	Hands-free	200	300	active	3
4	notepad	350000	2	active	2
5	Dell i7 5000	40000	10	active	2
6	Samsungj7	30000	20	active	1
7	USB	1300	Out of stock	inactive	3

Customer Name

Customer ID	NAME	EMAIL	Password	Gender
1	MISBAH	a@gmail.com	Login123	Female
2	MAHAM	b@gmail.com	Login123	Female
3	MARYAM	c@gmail.com	Login123	Female
4	UMAIMA	d@gmail.com	Login123	Female
5	FATMAH	e@gmail.com	Login123	Female

Orders

Here **Customer ID** as a foreign key

ID	Orders	Customer ID
1	#107	1
2	#107ghj	1
3	#ghjk456	2

Here **Customer ID and Product Id** as a foreign key

Bill

ID	PRODUCT ID	QUANTITY	ORDER ID	DATED	CUSTOMER ID
1	1	1	1	2021-12-25	1
2	2	1	1	2021-12-25	1
3	1	2	2	2021-12-25	1

Create These Tables and Show the **All Attributes of tables** Using **INNER JOIN**