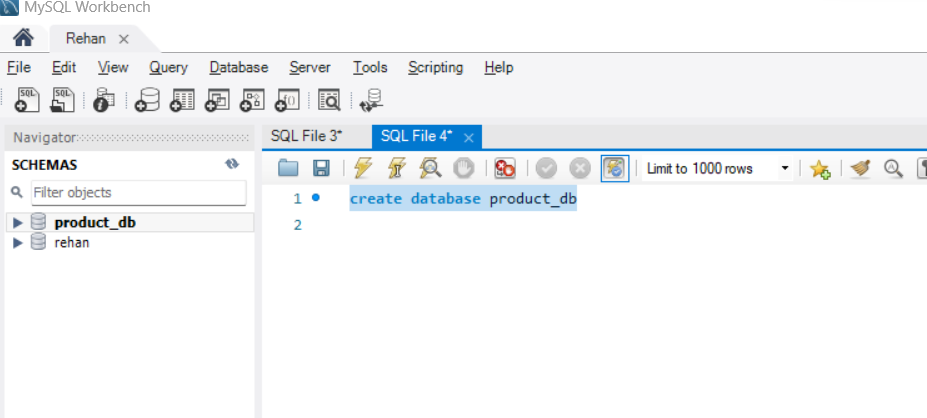
**Task 2 – SQL Basics- 23-08-2023**

**Question 1:**

Create a Database product\_db

**Output:**



**Query:**

**create database product\_db;**

**Question 2:**

Create a table with the name "product" with the following columns product\_id - integer ,product - string - size 10,quantity - integer,price - integer,purcahase\_cost – integer , estimated\_sale\_price – float

**Output:**

A screenshot of a computer

Description automatically generated

**Query:**

**create table product ( product\_id int,product varchar(10),quantity int , price int, purcahase\_cost int, estimated\_sale\_price float );**

**Question 3:**

Display all column names and their datatype and size in product.

**Output:**

A screenshot of a computer

Description automatically generated

**Query: desc product;**

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**Question 4:**

Insert the below two records into product table.

**Output:** A screenshot of a computer

Description automatically generated

**Query:**

**insert into product(product\_id,product,quantity,price,purcahase\_cost,estimated\_sale\_price) values (1,'PayCard',2,300,8000,9000.56);**

**insert into product(product\_id,product,quantity,price,purcahase\_cost,estimated\_sale\_price) values (2,'PayPoints',4,200,7000,6700.56);**

**Question 5:**

Add a column: "location" to the existing product table with data type varchar and size 50

**Output:**

A screenshot of a computer

Description automatically generated

**Query: Alter table product add column location varchar(50);**

**Question 6:**

**Update the value of the location**

**Output:**

A screenshot of a computer

Description automatically generated

**Query:**

**update product set location = 'USA' where product\_id = 1;**

**update product set location = 'India' where product\_id = 2;**

**Question 7:**

**What is the value of location for product : ‘PayCard’?**

**Output:**

A screenshot of a computer

Description automatically generated

**Query :** **SELECT product , LOCATION from product where product = 'PayCard'**

**Question 8:**

**update the product column to size of 25**

**Output:**

A screenshot of a computer

Description automatically generated

**Query: alter table product modify column product varchar(25);**

**Question 9:**

**Reduce the size of the location field from 50 to 20 and check if it is possible.**

**Output:**

A screenshot of a computer

Description automatically generated

**Query: alter table product modify column location varchar(25);**

**Question 10:**

**Update the quantity information of ‘PayCard’ product details . -- For ‘PayCard’ product, Update the quantity from 2 to 10**

**Output:**

A screenshot of a computer

Description automatically generated

**Query: update product set quantity = 10 where product = 'PayCard';**

**Question 11:**

**insert one more row/record to the table**

**Output:**

A screenshot of a computer

Description automatically generated

**Query: insert into product(product\_id,product,quantity,price,purcahase\_cost,estimated\_sale\_pri ce,location) values (3,'Creditcard',2,500,900,750,'India');**

**Question 12:**

**insert below two row/record to the table by using one query**

**Output:**

A screenshot of a computer

Description automatically generated

**Query: insert into product(product\_id,product,quantity,price,purcahase\_cost,estimated\_sale\_price,location) values (4,'Debitcard',4,500,2000,1850,'UK'),(5,'Buyback',20,500,10000,9800.85,'USA');**

**Question 13:**

**add a column zip\_code to the product table**

**Output:**

A screenshot of a computer

Description automatically generated

**Query: alter table product add column Zip\_Code int;**

**Question 14:**

**update zip\_code to the product table by some random unique zip code to the product**

**Output:**

A screenshot of a computer

Description automatically generated

**Query:**

**update product set Zip\_Code = '600050' where product\_id in (1,3);**

**update product set Zip\_Code = '600051' where product\_id in (2,4);**

**update product set Zip\_Code = '600052' where product\_id in (5);**

**Question 15:**

**drop the column zip\_code from the table**

**Output:**

A screenshot of a computer

Description automatically generated

**Query: alter table product drop column Zip\_Code ;**