Column1	Column2

SESSION 1_ TASK 1 | **SQL QUERY'S**

Question 1:

Create a Database product_db.

```
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

```
CREATE TABLE product( 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.

```
INSERT INTO product
(product_id,product,quantity,price,purchase_cost,estimate_cost)
VALUES (1,'PayCard',2,300,8000,9000.56),
(2,'PayPoints',4,200,7000,6700.56);
```

Question 4:

Insert the below two records into product table .
- -- 1st record with values
- -- product_id : 1
- -- Product : PayCard
- -- Quantity: 2
- -- price : 300
- -- Puchase_cost : 8000
- -- estimated_sale_price: 9000.56
-- 2nd record with values --
- -- product_id : 2
- -- Product : PayPoints
- -- Quantity: 4
- -- price : 200
- -- Puchase_cost : 7000
- -- estimated_sale_price: 6700.56

```
INSERT INTO product VALUE
(1,"PayCard",2,300,8000,9000.56),
(2,"PayPoints",4,200,7000,7000.56);
```

Question 5:

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

```
ALTER TABLE product ADD location VARCHAR(50)
```

Question 6:

Update the value of the location
   -- update location as USA for product_id = 1
   -- update location as India for product_id = 2

```
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'?

```
select location from product
where product = "PayCard";
```

Question 8:

update the product column to size of 25

```
ALTER TABLE product
MODIFY product VARCHAR(25);
```

Question 9:

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

```
ALTER TABLE product
MODIFY location VARCHAR(20);
```

Question 10:

Update the quantity information of 'PayCard' product details .
   -- For 'PayCard' product
Update the quantity from 2 to 10

```
UPDATE product
SET quantity = 10
WHERE product = "PayCard";
```

Question 11:

insert one more row/record to the table
record with values
   -- product_id : 4
   -- Product : Creditcard
   -- Quantity: 2
   -- price : 500
   -- Puchase_cost : 900
   -- estimated_sale_price: 750
   -- location : India

```
INSERT INTO product
VALUES (4,"Created",2,500,900,750,"India");
```

Question 12:

insert below two row/record to the table by using one query
record with values
1)
    -- product_id : 5
    -- Product : debitcard
    -- Quantity: 4
    -- price : 500
    -- Puchase_cost : 2000
    -- estimated_sale_price: 1850
    -- location : UK
2)
    -- product_id : 6
    -- Product : buyback
    -- Quantity: 20
    -- price : 500
    -- Puchase_cost : 10000
    -- estimated_sale_price: 9800.95
    -- location : USA

```sql
INSERT INTO product
VALUES (5,"DebetCard",4,500,2000,1850,"UK")
(6,"Buyback",20,500,2000,10000,"USA");
```

Question 13:

add a column zip_code to the product table

```sql
ALTER TABLE product ADD zip_code int;
```

Question 14:

update zip_code to the product table by some random unique zip code to the product

```sql
ALTER TABLE prodcut ADD zip_code int;
UPDATE product
set zip_code = 7512655
```

Question 15:

drop the column zip_code from the table

```sql
ALTER TABLE  product  DROP zip_code int;
```