1. Create a product table with necessary attributes.

1. Write a query for table creation.
2. Insert the product data into the table.
3. Write a query to retrieve all the product details
4. Write a query to retrieve id and product name.
5. Write a query to update and delete a product.

1. **Write a query for table creation.**

```
create table product
(
name varchar2(30),
price number(10,2),
id number(10),
category varchar2(10)
);
```

2. **Insert the product data into the table.**

```
insert into product values('iphone 14', 70000, 1, 'electronics');
insert into product values('samsung galaxy s22', 65000, 2, 'electronics');
insert into product values('banana', 5, 3, food);
insert into product values('coconut oil 1l', 150, 4, food);
```

3. **Write a query to retrieve all the product details**

```
select * from product;
```

4. **Write a query to retrieve id and product name.**

```
select id,name from product;
```

5. **Write a query to update and delete a product.**

update- update product set price=60000 where id=1

delete- delete from product where id=2

Assignment 2: Write a Sql queries to perform DDL operation for product entity. Perform create table, drop table, alter table, rename table queries for the product entity.

create-

```
create table product
(
name varchar2(30),
price number(10,2),
id number(10),
category varchar2(10)
);
```

drop-

```
drop table product;
```

alter- alter table product add(quantity varchar2(10));
alter table product drop column quantity;
alter table product rename column category to type;
alter table product modify(name varchar2(50))

rename table- rename product to products;

Assignment 3:- Write a query to

1. **find the product whose category is electronics.**
   select * from product where category='electronics';
2. **find all the products whose price range is between 5000 and 10000.**
   select * from product where price>=5000 and price<=10000
3. **display name and price from product table.**
   select name,price from product;
4. **display all the electronics category items which have prices more than 2000.**
   select * from product where category='electronics' and price>2000;
5. **sort the product based on price in descending order.**
   select * from product order by price desc;
6. **sort the product based on name.**
   select * from product order by name;
7. **count of product based on category.**
   select category,count(category) from product
   group by category;
8. **display all the products except the electronics category.**
   select * from product where category!='electronics';