**Day 8 Assignment 1,2&3**

**Assignment 1:**

**1. Create a product table with necessary attribute.**

**Write a query for table creation.**

> CREATE TABLE product

(

prd\_id NUMBER(5),

prd\_name VARCHAR2(30),

prd\_price NUMBER(10)

);

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

> INSERT INTO product VALUES (1001,’keyboard’,2500);

> INSERT INTO product VALUES (1002,’Mouse’,1000);

> INSERT INTO product VALUES (1003,’Ram’,16000);

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

>select \* from product

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

>select prd\_id, prd\_name from product

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

> update product set prd\_price=2800 where prd\_id=1001

> delete from product where prd\_id=1002

**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

(prd\_id NUMBER(5),

prd\_name VARCHAR2(30),

prd\_price NUMBER(10));

**ALTER:**

> ALTER TABLE product ADD (rating NUMBER(3));

> ALTER TABLE product DROP COLUMN rating;

> ALTER TABLE product DROP (prd\_name, prd\_price);

> ALTER TABLE product RENAME COLUMN prd\_price TO price;

> ALTER TABLE product MODIFY (prd\_id NUMBER (10));

**DROP:**

> DROP TABLE product;

**TRUNCATE:**

> TRUNCATE TABLE product;

**RENAME:**

> RENAME product to prod;

> RENAME prod to product;

**Assignment 3:**

**Write a query to find the product whose category is electronics**

> SELECT \* FROM product

WHERE category=’electronics’;

**Find all the product whose price range is between 5000 and 10000**

> SELECT \* FROM product

WHERE price BETWEEN 5000 AND 10000

**Display name and price from product table.**

> SELECT name, price FROM product

**Display all the electronic category item which has price more than 2000**

> SELECT \* FROM product

WHERE category=’electronics’ AND price>2000

**Sort the product based on price in descending order.**

> SELECT \* FROM product

ORDER BY price DESC

**Sort the product based on name.**

> SELECT \* FROM product

ORDER BY name;

**Count of product based on category.**

> SELECT category , COUNT(\*) as count\_of\_products FROM product

GROUP BY category;

**Display all the product except electronics category.**

> select \* from product

where category!='electronics';