dblab@456EXPERIMENT NO.3

CREATION OF DATABASE SCHEMAUSINGDDLCOMMANDS

Questions:

1). Create a table with name customer and fields as follows: Cust\_id number cust\_name varchar2(20) cust\_hname varchar2(20) cust\_street varchar2(20) cust\_phone integer.

2.Create table order with fields as follows Orderid number Custid number Itemcode number Orderquantity number Deliverydate date Modeof payment char(1)

3. Create table item\_db with the following fields Item\_code number Item\_name char(1) Current\_stock number Unitprice number

4.. Alter the table to add a primary key to customer\_id in customer table.

5.Alter the table to add a primary key to itemcode in item\_details.

6.Alter the table to set foreign key constraint in order\_db to link with customer\_db using customer\_id field.

7.Add a not null constraint to the field date\_of\_order.

8.Add a unique constraint for the order\_id in order\_db.

9.Add a check constraint to the field mode\_of \_payment in order\_db such that it takes three values’D’ (for cheque), ‘R’ (for cash) and ‘C’ (for credit card).

10.Add a new field ‘remark’ as char(10) to the order\_db and set the default value , as ‘direct’. 11.Modify the data type and size of remark as varchar2 (15) in order\_db

12.Delete the column ‘remark’ from order\_db.

13.Describe all tables and delete the table ‘test\_db

QUERIES

CREATE TABLE customer100 (Cust\_id NUMBER, cust\_name VARCHAR2(20),cust\_hname VARCHAR2(20), cust\_street VARCHAR2(20), cust\_phone INTEGER );

INSERT INTO customer100 VALUES (1, 'John Doe', 'Doe Residence', '123 Main St', 1234567890);

INSERT INTO customer100 VALUES (2, 'Jane Smith', 'Smith House', '456 Oak St', 9876543210);

INSERT INTO customer100 VALUES (3, 'Emily Johnson', 'Johnson Villa', '789 Pine St', 4567891230);

CREATE TABLE order\_db100 ( Orderid NUMBER, Custid NUMBER, Itemcode NUMBER, Orderquantity NUMBER, Deliverydate DATE, Modeof\_payment CHAR(1));

INSERT INTO order\_db100 VALUES (1001, 1, 101, 2, TO\_DATE('2024-08-05', 'YYYY-MM-DD'), 'D');

INSERT INTO order\_db100 VALUES (1002, 2, 102, 1, TO\_DATE('2024-08-06', 'YYYY-MM-DD'), 'R');

INSERT INTO order\_db100 VALUES (1003, 3, 103, 5, TO\_DATE('2024-08-07', 'YYYY-MM-DD'), 'C');

CREATE TABLE item\_db100 ( Item\_code NUMBER, Item\_name CHAR(1), Current\_stock NUMBER, Unitprice NUMBER );

INSERT INTO item\_db100 VALUES (101, 'A', 50, 10.99);

INSERT INTO item\_db100 VALUES (102, 'B', 30, 15.49);

INSERT INTO item\_db100 VALUES (103, 'C', 20, 8.75);

ALTER TABLE customer100 ADD CONSTRAINT pk\_cust\_id PRIMARY KEY (Cust\_id);

ALTER TABLE item\_db100 ADD CONSTRAINT pk\_itm\_code PRIMARY KEY (Item\_code);

ALTER TABLE order\_db100 ADD CONSTRAINT fk\_cust\_id FOREIGN KEY (Custid) REFERENCES customer10(Cust\_id);

ALTER TABLE order\_db100 MODIFY (Deliverydate NOT NULL);

ALTER TABLE order\_db100 ADD CONSTRAINT uq\_ord\_id UNIQUE (Orderid);

ALTER TABLE order\_db100 ADD CONSTRAINT chk\_modeof\_payment CHECK (Modeof\_payment IN ('D', 'R', 'C'));

ALTER TABLE order\_db100 ADD (remark CHAR(10) DEFAULT 'direct');

ALTER TABLE order\_db100 MODIFY (remark VARCHAR2(15));

ALTER TABLE order\_db100 DROP COLUMN remark;

DESC customer100;

DESC order\_db100;

DESC item\_db100;

DROP TABLE order\_db100;