Task 1

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create table customer(

customer\_id number(10),

customer\_name varchar2(20) not null,

age number(4),

course varchar(15),

register\_date date

)

Task 3-b

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alter table customer

MODIFY register\_date date default sysdate;

Task 3-a

--------------------------------------------------------

alter table customer

add email varchar2(20);

CONSTRAINT emp\_email\_uk UNIQUE(email));

Task 3-c

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alter table customer

MODIFY age

CONSTRAINT cus\_age\_ck CHECK (age>=20)

Task 3-d

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alter table customer

MODIFY

customer\_name varchar2(25)

Task 4

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create sequence customer\_id\_seq

increment by 10

start with 100

maxvalue 10000

Task 2

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insert into customer (CUSTOMER\_ID, CUSTOMER\_NAME,AGE, COURSE,REGISTER\_DATE, EMAIL )

values(customer\_id\_seq.nextval ,'&CUSTOMER\_NAME',&AGE, '&COURSE',&REGISTER\_DATE, '&EMAIL' )

**OR**

insert into customer (CUSTOMER\_ID, CUSTOMER\_NAME,AGE, COURSE,REGISTER\_DATE, EMAIL )

values(customer\_id\_seq.nextval ,'&CUSTOMER\_NAME',&AGE, '&COURSE', sysdate, '&EMAIL' )

New Table

create table customer\_order(

order\_id number(10),

order\_date date,

product\_name varchar2(10),

price number(10,2),

quantity number(4),

customer\_id number (10)

)

alter table customer

add constraint customer\_id\_pk primary key (customer\_id);

alter table customer\_order

add constraint customer\_id\_fk foreign key (customer\_id) references customer(customer\_id) ;

alter table customer\_order

add status varchar2(20);

insert into customer\_order(ORDER\_ID,ORDER\_DATE,PRODUCT\_NAME,PRICE,QUANTITY,CUSTOMER\_ID)

values (501,'03-Feb-16','Mouse','450',2,'110')

update customer\_order set status='paid' where order\_id=513;

update customer\_order set status='Due' where order\_id=514;

update customer\_order set status='paid' where order\_id=515;

select distinct(PRODUCT\_NAME) from customer\_order

select o.customer\_id,c.customer\_name, QUANTITY\*PRICE Total

from customer\_order o join customer c

on o.customer\_id = c.customer\_id

select customer\_name, sum(QUANTITY\*PRICE) Total

from customer natural join customer\_order

group by CUSTOMER\_name

select customer\_name,product\_name , QUANTITY\*PRICE Total

from customer\_order natural join customer

where product\_name NOT IN (select product\_name from customer\_order where customer\_name='Tawhid');

SELECT PRODUCT\_NAME,QUANTITY, Price

from customer\_order e

where QUANTITY >

(select AVG(QUANTITY) from customer\_order

where product\_name=e.product\_name)