

Question -2

/*By submitting this assignment for grading, I state or affirm that the work submitted is my own work and I did not in any way receive assistance nor provide assistance from another student (or external agent). I am aware and accept the consequences of unauthorized collaboration including a failing grade for both the homework and the course.

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```
create or replace TRIGGER TRG_SALESORDERDETAIL
  BEFORE INSERT OR UPDATE
  ON SALESORDERDETAIL
  FOR EACH ROW
```

```
BEGIN
```

```
select :new.soquantity*:new.price into :new.subtotal from dual;
END;
```

```
create or replace PROCEDURE salesordertotal AS
  CURSOR C1 IS SELECT * FROM salesorders WHERE SOTOTAL IS NULL
FOR UPDATE OF SOTOTAL;
```

```
  v_customerscore customers.customerscore%type;
```

```
  v_discount salesdiscount.salesdiscount%type;
```

```
  v_sono salesorders.sono%type;
```

```
  v_sono_temp salesorders.sono%type;
```

```
  v_ordertotal salesorders.sototal%type;
```

```
BEGIN
```

```
  FOR temp_rec IN C1 LOOP
```

```
    v_sono_temp:=temp_rec.sono;
```

```
    select distinct sono into v_sono from salesorderdetail where
sono=v_sono_temp;
```

```
    select customerscore into v_customerscore from customers where
customerid=temp_rec.customerid;
```

```
    select salesdiscount into v_discount from salesdiscount where
v_customerscore >= mincustomerscore and
```

```
v_customerscore<=maxcustomerscore;
```

```
    select sum(subtotal)*(1-v_discount) into v_ordertotal from
SALESORDERDETAIL where sono= v_sono;
```

```
    update salesorders set sototal=v_ordertotal where current of
c1 ;
```

```
  end loop;
```

```
  exception when no_data_found then
```

```
    dbms_output.put_line('Error with Sales Order '||v_sono_temp||',
no matching subtotals');
```

```
END salesordertotal;
```

```
/
```