



**SSN COLLEGE OF ENGINEERING**  
**Department of**  
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**CS6312 – DBMS Lab**  
**Assignment – 5**

**Assigned: 25-Jan-19**  
**Due: 1 Lab Hour**

**Title: PL/SQL – Control Structures**

Consider the following relations for the Bakery database:

**CUSTOMERS** (cid, fname, lname)

**PRODUCTS** (pid, flavor, food, price)

**RECEIPTS** (rno, rdate, cid)

**ITEM\_LIST** (rno, ordinal, item)

Write a PL/SQL block for the following:

**Note:**

- Use implicit/explicit cursor wherever required.
- Handle the **error** and **display appropriate message** if the data is **non-available**.

- Check whether the given combination of food and flavor is available. If any one or both are not available, display the relevant message.
- On a given date, find the number of items sold (Use Implicit cursor).
- An user desired to buy the product with the specific price. Ask the user for a price, find the food item(s) that is equal or closest to the desired price. Print the product number, food type, flavor and price. Also print the number of items that is equal or closest to the desired price.

Enter value for dprice: 0.8

old 13: price:=&dprice;

new 13: price:=0.8;

ProductID	Food	Flavor	Price
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70-LEM	Lemon	Cookie	0.79
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70-W	Walnut	Cookie	0.79
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2 product(s) found EQUAL/CLOSEST to given price

PL/SQL procedure successfully completed.

- Display the customer name along with the details of item and its quantity ordered for the given order number. Also calculate the total quantity ordered as shown below:

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SQL> /  
Enter value for rid: 51991  
old 11:          rid:=&rid;  
new 11:          rid:=51991;
```

Customer name: SOPKO RAYFORD

Ordered Following Items:

FOOD FLAVOR	QTY
Apple Pie	1
Chocolate Tart	1
Apple Tart	1
Truffle Cake	1
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Total Qty:	4

What you have to submit:

1. Schema Diagram with constraints
2. Demo script file

