Loops quiz

**Problem #1**

**Output**

2222 Building Blocks 15 51.99

Output is the record with idno 2222.

**Problem #2**

Expalanation

ACCEPT command will prompt user to enter itemno for the record.

Now four variables are declared with type same as columns in invent table with the use of %TYPE.

Next we are taking values from invent table with itemno user wanted and assigning them to the variables we declared and with dbms\_output.put\_line we will display the result.

**Problem #3**

**Idno price new price**

2222 51.99 57.6(48 \* 1.2)

3333 17.99 17.99

For the record with idno 2222 new price will be cost \* by 1.2 .

For the record with idno 3333 price wont be changed because it is not true for any given conditions.

**Problem #4**

1. Declare variables
2. Prompting user to enter item\_no.
3. Begin selecting records from invent table .
4. Conditions: A)if v-price is < v-cost \*2 set v\_price = < v-cost \*2. With item\_no 2222 we got new price.
5. If V-price > v\_cost \* 1.3 then set V-price = v\_cost \* 1.3.
6. Item\_no 3333 remains unchanged because it doesn’t match with any of the condition.

SET price = v\_price

WHERE itemno = v\_itemno

This will update the record in new\_inven table with new price.

**Problem #5**

IDNO ANAME AMT CO **updated amt**

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1 Susan Smith 5000 AB **5500**

2 John Davis 4000 DG **5000**

3 Jane Costa 4500 LK **5500**

4 Lawrence Morris 3500 AB **3850**

5 Catherine Brown 2000 DG **3000**

6 Richard Souza 3500 LK **4500**

7 Ann Riley 5000 AB **5500**

**Problem #6**

1. Declare variables.
2. Initialize V-toget =1.
3. Begin loop
4. select records from looptable.
5. Checking conditions:

1.If v\_code is ‘AB’ and v\_amt>3000 set

v\_amt=v\_amt + v\_amt \* .1.

2.If v\_code is ‘AB’ and v\_amt is not greater than 3000 set v\_amt=v\_amt + v\_amt \* .25. If above both conditions are false then v\_amt := v\_amt + 1000.

6. update amt column in looptable

7. V-toget is incrementing by 1 and loop will exit when V-toget is >7.

**Problem #7**

ID IDNO ANAME AMT CO **updated amt**

1 Susan Smith 5000 AB **5500**

2 John Davis 4000 DG **5000**

3 Jane Costa 4500 LK **3250**

4 Lawrence Morris 3500 AB **3850**

5 Catherine Brown 2000 DG **2500**

6 Richard Souza 3500 LK **2750**

7 Ann Riley 5000 AB **5500**

**PROBLEM #8**

Explanation for problem #7:

1. Declare variables.

2. Initialize V-toget =1.

3. Begin with **while < 8** loop. This will keep check on V\_get value LOOP will end when it gets greater than or equal to 8.

4. select records from looptable.

5. **Checking conditions:**

1.If v\_code is **‘AB’** and v\_amt>3000 set

v\_amt=v\_amt + v\_amt \* .1.

If v\_code is ‘AB’ and v\_amt is not greater than 3000 set v\_amt=v\_amt + v\_amt \* .25.

2. If v\_code is **‘DG’** and v\_amt < 3000 set

v\_amt := v\_amt + 500.

If v\_code is ‘DG’ and v\_amt >= 3000 set

v\_amt := v\_amt + 1000.

3. If v\_code is not ‘AB’ or ‘DG’ then set

v\_amt := (v\_amt + 2000)/2.