



SSN COLLEGE OF ENGINEERING
*Department of
Computer Science &
Engineering*

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*UCSI412 – Database Lab
Apr Assignment – 5*

*Assigned: 28-
Due: 1 Lab Hour*

Title: PL/SQL – Control Structures

Consider the following relations for the Car Manufacturing database:

CONTINENTS (Contid, continent)

COUNTRIES (Countryid, countryname, continent)

CAR_MAKERS (Id, maker, fullname, country)

MODEL_DETAILS (Modelid, maker, model)

CAR_NAMES (Id, model, descr)

CAR_DETAILS (Id, mpg, cylinders, edispl, horsepower, weight, accel, year)

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 model is manufactured by any maker. If

available, display the maker full name and country else display: “The given model is not manufactured / Invalid Model”

Sample output:

Enter value for model: mercedes

old 7: get_model:='&model';

new 7: get_model:='mercedes';

MODEL mercedes IS MANUFACTURED

Maker Name: Daimler Benz

Country: germany

PL/SQL procedure successfully completed.

- An user is desired to buy a car with the specific mileage. Ask the user for a mileage, and find the car that is equal or closest to the desired mileage. Print the car number, model, description and mileage. Also print the number of car(s) that is equal or closest to the given mileage.

Sample output:

Enter value for mileage: 45old

13: mile:='&mileage';

new 13: mile:=45;

CA ID	MODEL	CAR NAME	MILEAGE
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337	honda	honda civic 1500 gl	44.6
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1 car(s) found EQUAL/CLOSEST to given mileage

PL/SQL procedure successfully completed.

3. For a given country name, display the number of cars manufactured in each model by the car makers as shown below. Check for the availability of country name.

Sample output:

SQL> /

Enter value for cname: korea old

14: c_name:='&cname';

new 14: c_name:='korea';

The country korea does not produce any car

Total : 0

PL/SQL procedure successfully completed.SQL>

/

Enter value for cname: Isrealold

14: c_name:='&cname';

new 14: c_name:='Isreal';

COUNTRY NOT IN DATABASE

PL/SQL procedure successfully completed.SQL>

/

Enter value for cname: france

old 14: c_name:='&cname';

new 14: c_name:='france';

Country Name: france

Maker Name	Model	No.of cars
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Citroen	citroen	1
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Peugeot	peugeot	8
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Renault	renault	5
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Total : 14

PL/SQL procedure successfully completed.