In-lab exercise week 8

Write SQL or PL/SQL scripts for the following: (submit the code and a screenshot of the results for each test case)

1) (20 points ) write an anonymous block program unit that show the vendors ( VENDOR\_NAME, VENDOR\_ID, VENDOR\_STATE) for those vendors who live in a user-input state. (submit the code & screenshot of : input prompt, and result set)

Try two test cases:

State : "AZ"

State : "PA"

2) (20 points) write an anonymous block program unit that insert a user-input values into employees table and print a message 'record is inserted successfully' as following:

Employee\_id: user-input

Last name : user-input

First\_name: user-input

Department\_number: user-input

Manager\_id : user-input ( nullable)

The program raises an exception if "dup\_val\_on\_index" and print the message "department number is duplicated".

Try two cases: (if exception was raised, just submit a screenshot of the message)

Input values (employee\_id:110, last\_name : Karabatis, first\_name: George, department\_number : 3, Manager\_id:8)

Input values (employee\_id: 8, last\_name : Mark, first\_name: Smith, department\_number : 8, Manager\_id:Null)

3) (30 points) write an anonymous block program unit that takes as user-input vendor\_id and prints the average invoice\_total for that specific vendor\_id. The program raises an exception if the average invoice\_total for that vendor\_id is greater than or equal 1900 and print the message 'High Invoice\_due'

Try two test cases:

Input vendor\_id : 117

Input vendor\_id: 122

4) (30 points) write an anonymous block program unit that delete the employees who works in a user-input employee\_id and print a message 'employees record has been deleted successfully'. The program raises an exception if there is no employee matches the user-input employee\_id.

Try two test cases:

Employee\_id : 110

Employee\_id : 111