Emerging Technologies in Information Systems

IFS354: Exercise 1

2024

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Marks	20
Due	1 March 2024 – 17:00
Submission	via iKamva

Overview

To address the following exercise questions, you are required to interface with the HR and ECOMM user objects in Oracle SQL Developer. While the HR user is natively installed with Oracle 11g, you will need to run the necessary scripts found on iKamva to create the ECOMM user and the associated tables and data as discussed during the lecture.

Question 1

Consider the HR user when answering this question. You are required to create a basic PLSQL program that prompts the user for an employee ID. Based on the employee ID passed, your program should print a readable string which captures the employee first name and last name, their job ID and the department they belong to, as well as the address of the department and the city.

Output example:

"Jack Peterson is employed as a Data Analyst in the Research department which is located at 123 Dune Rd in Cape Town"

(12)

Question 2

Consider the ECOMM user when answering this question. The Senior Supply Chain Manager of your company requires a report of filtered product information. Create a PLSQL program that prints the product name and price of all products. Ensure that you represent the product price in dollars.

Output example:

Product Name: Oculus Meta Quest 3, Price: $500

Product Name: Vision Pro, Price: $3500

...

(8)

Points to note:

- Hand-written work will not be marked.
- No late submissions will be accepted for this exercise.
- Save and submit your file as .sql extension.