



Adventist University of Central Africa

P.O. Box 2461 Kigali, Rwanda | www.auca.ac.rw | info@auca.ac.rw

DATE:

DURATION: 2 Hours

COURSE NAME: PL/SQL

INSTRUCTOR: Ingenere Huguette Sandrine

PLSQL FINAL EXAM

INSTRUCTIONS

1. ALL THE QUESTIONS ARE MANDATORY
2. ALL THE CODES USED TO RESPOND TO THIS EXAM SHOULD BE SAVED IN A NOTEPAD FILE
3. THE NOTEPAD FILE SHOULD BE NAMED AS: STUDENTCODE_FULLNAME
4. USE ONLY THE PROVIDED TABLE AND DATA
5. **SHARING OF CODES IS STRICTLY PROHIBITED**
6. USE THE PROVIDED PACKAGE SPECIFICATION

QUESTIONS

1. Create the emp_table below and add the data as shown **(/5 Marks)**
2. Write a PLSQL package that inserts a new record in the emp_table table provided below. The package should print the number of records (employees) before the new record was added, the details of the new employee record added, and the new number of employees after the record has been added **(/20 Marks)**
3. Write the main PLSQL block to call the created package **(/10 Marks)**
4. Create a trigger on the emp_table table that gets executed once the user tries to add a record that has an employee code that matches an already existing code. **(/5 Marks)**

Package specification

CREATE OR REPLACE PACKAGE EMP_DETAILS IS

PROCEDURE set_record (p_emp_rec IN employee%ROWTYPE);

FUNCTION get_record (p_emp_no IN NUMBER) RETURN employee%ROWTYPE;

END EMP_DETAILS;

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Table name: emp_table

EMP_CODE	EMP_FIRST_NAME	EMP_LAST_NAME	EMP_SALARY	EMP_ADDRESS
E001	Richard	Cipher	245000	Rwanda
E002	John	Wick	345000	Burundi
E003	Anna	Frank	123400	Kenya
E004	Louise	Newton	768900	Uganda
E005	Marie	Currie	678900	Tanzanie
E006	Alfred	Butler	345670	Chad

HAPPY HOLIDAYS!!!!