Maven

SonarQube

MySQL (server working or not)

Java Practise handson

Subjective test week 4

Method Reference examples

UML (if required)

GIT (Working or not)  
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1. UST test 11:00 – 12:00
2. PLSQL doubts
3. Java practise hands on
4. Method reference example
5. UML if required
6. GIT (is working) learn examples

After exam, we take stock of mysql server issue laptops.

In cmd location should be “bin” folder of mysql server (not workbench)

mysqld --console

1. Create a PL/SQL procedure that accepts the employee id as parameter and return the corresponding salary, department name as output parameter. Create a PL/SQL program that calls the procedure and displays the output. Do it in livesql and copy the code to the portal.

CREATE OR REPLACE PROCEDURE prcExample1(eid HR.EMPLOYEES.EMPLOYEE\_ID%TYPE, sal OUT HR.EMPLOYEES.SALARY%TYPE,

dname OUT HR.DEPARTMENTS.DEPARTMENT\_NAME%TYPE)

AS

BEGIN

SELECT SALARY, DEPARTMENT\_NAME INTO sal, dname

FROM HR.EMPLOYEES E JOIN HR.DEPARTMENTS D

ON E.DEPARTMENT\_ID=D.DEPARTMENT\_ID

WHERE E.EMPLOYEE\_ID=eid;

END;

DECLARE

EID INT:=101;

SAL INT;

DNAME VARCHAR2(20);

BEGIN

PRCEXAMPLE1(EID, SAL, DNAME);

DBMS\_OUTPUT.PUT\_LINE(SAL);

DBMS\_OUTPUT.PUT\_LINE(DNAME);

END;

1. Write a SQL SELECT statement that prints the Employee’s id, first name, last name, manager name. Do it in livesql and copy the code to the portal.
2. Lambda and Stream api:

Create an array list of Employees (id, name, department, salary)

Write stream api code to find the department wise average of salary. Display the result.

1. **Smooth Prime**

Tharun wants to become a mathematician. He tries different combination of numbers and keeps playing with them. Once he found a different kind of numbers and named them as Smooth Prime. A number N is said to be smooth prime if the 2 adjacent numbers (N+1 and N-1) are prime.  Given an integer N,write a program to find whether the given number N is smooth prime or not. If true print both the N+1 and N-1 numbers.  
  
**Input format :**  
Input is an integer that denotes the N value.  
  
**Output format:**  
Output is a string,print "True" if its a smooth prime else print "False".  
If True print the two numbers in the next line separated by a space.  
  
**Sample input 1:**  
4  
**Sample output 1:**  
True  
3 5  
  
**Sample input 2:**  
100  
**Sample output 2:**  
False