Cusor with exception handling

|  |
| --- |
| (I)  Create a table Student (R\_No, Name, Sub1, Sub2, Sub3, Total, Grade)  Insert 10 records in the above table where each subject carries maximum 100 marks. Don’t enter the total and grade manually.  1. Write a PLSQL block to calculate and update the Total for each and every student.  2. Calculate the grade of all students, based to total (>70 AA, >60 A, >50 B, >35 C, else Fail)  3. Write a Cursor to find the first 3 rankers based on the total marks.  (II)  1. Add a Salary and Bonus column in the Faculty\_Master Table and calculate the bonus of each faculty of “MCA” department which is based on the 5% of their salary. If the salary in less than 25000, then raise the exception.  2. Display name of 2 faculties getting maximum bonus.  (III)  Use following tables are create a report as shown below. supplier (sid, sname, contactnum)  parts (pid, pname, color, unitrate)  catalog (sid, pid, qty) [primary key(sid,pid)]  Write a PLSQL Cursor to take a supplier’s name as an input from the user and prepare a report in the following format:  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  PART ID PART NAME QUANTITY UNIT PRICE TOTAL  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Grand Total:  Raise a user defined exception when the supplier’s name not found in the database table. |
| **Desirable Assignment** |
| (I)  Create following tables and perform operations given below.  Competition (Comp\_code, Comp\_name )  Participants (Part\_no, Part\_name, DOB, Address, EmailID, Contact\_number )  Scorecard (Part\_no, Comp\_code, Judge\_no ,Marks) [F.K. Part\_No and Comp\_Code]  (i) Create a Competition wise participants’ report using PL/SQL block.  Competition Name Participants’ Name Marks  ----------------------------------------------------------------------------------------------------------  ----------------------------------------------------------------------------------------------------------  (ii) Handle the exception where no record found.  (II)  Use Following Tables:  Emp\_Master (Emp\_Code, Emp\_Name, Birth\_Date)  Dept\_Master (Dept\_Code, Dept\_Name, Budget)  Salary (Dept\_Code, Emp\_Code, Salary)  Write a pl/sql block to call a procedure that counts total employees in each department and display them. Also handles the exception where no record found.  (III)  Use Following Tables:  Employee\_master(EmpCode , Emp\_Name , Dept\_Id, Emp\_Address , DOB , Basic\_Salary)  Department\_master(Dept\_Code ,Dept\_Name)  Create a PL/ SQL block to prepare the salary slip for the employee in the following format, whose Employee Code is provided by the user.  Salary Slip for the month <current month and year>  Employee Code: <E102> Employee Name: <John Smith>  Department Name: <Finance>  -------------------------------------------------------------------------------------------------------------------  Basic Salary DA HRA Medical P.F.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  -------------------------------------------------------------------------------------------------------------------  Total Salary : \_\_\_\_\_\_\_\_\_\_\_\_\_  Note:  HRA is 15% of basic salary  DA is 30% of basic salary  Medical is 1% of basic salary  P.F. is 10% of basic salary  Raise an exception if the record not found for the entered EmpCode. |