**Exceptions Handling Assignments**

1. Accept the name of the employee. Display the salary of that employee.

Handle all possible run-time errors.

1. Create the **Sales** table with the following specifications:

|  |  |  |
| --- | --- | --- |
| **Name** | **Data type** | **Constraint** |
| TrID | Integer | Primary key |
| InvNo | Integer | Unique |
| Customer\_Name | Varchar(25) | Not Null |
| Amount | Integer | Must be > 10 |

For trapping all the constraint violation errors create another table **Error\_Log2** that has 5 columns Record\_Number, User Name, Date, Error\_Number and Error\_Message.

Through a plsql block accept all the 5 column values of Sales table from the user.

Add a new record in Sales table from those values. If any run-time comes then its entry should go in Error\_Log2 table. If there is no error then the record should get added in the Sales table.

Check all the 4 possibilities of error.

1. Create a table Emp\_Details which has the following specifications.

|  |  |  |
| --- | --- | --- |
| **Name** | **Data type** | **Constraint** |
| Empno | Integer | Primary Key |
| Membership\_no | Char | Unique |
| Name | Varchar | Not Null |
| Salary | Integer | Above 10000 |
| Mgr | Integer | Refers to the Empno column |

Take all the column values from the user and enter the record in the table Emp\_Details. If any constraint violation happens then provide user friendly error message according to the error.

1. Run the following script.

create table mm1

(empid number, ename varchar2(10), job varchar2(10));

insert into mm1 values(1,'John','Manager');

insert into mm1 values(2,'Martin','Clerk');

insert into mm1 values(3,'Smith','Clerk');

Create a plsql block which will accept empid, ename and job from the user. If the complete record is duplicated then raise an exception FOUND\_DUPLICATE\_RECORD. If the record in not duplicate then add it into the mm1 table.

1. Create a table Customer\_Data which has 5 fields like Custid, Qty, Required\_In\_Days, Qty\_Per\_Day and Rate\_Per\_Day.

Take the first 3 columns values from the user.

You want to calculate Quantity per day which would be qty given divided by Required\_In\_Days.

Once Quantity per day is calculated do the calculation of Rate\_Per\_Day which will be Quantity per day \* 100.

Finally when all the values are ready add a new record in the table Customer\_Data.

Handle all types of error that may occur at different point of times.