

**TY B.Tech. (CSE) – II [ 2023-24 ]**

**6CS371 : Advanced Database System Lab.**

**Assignment No. 2**

**I. MySQL / PSM Review :**

- a) Create a table called test\_table with 2 columns RecordNumber (type : Number(3)) and CurrentDate (type : Date)). Write PL/SQL block which will insert 50 records into test\_table. Insert the current date value into the table.
- b) Create a products table products(ProductID number(4),category char(3),detail varchar2(30),price number(10,2),stock number(5)). Insert the sample data.  
Write PSM procedure with two arguments X & Y which will increase price by X% for all products in category Y. X and Y will be given by user.

**II. Object Relational Databases:**

- a) Create Object Table containing field “name” of size 50 characters and member function “countNoOfWords” which returns the no. of words in “name” field.  
Demonstrate the working by entering different data.
- b) Create an address type with the following attributes : address, city, state & pincode. Include the following methods
  - i. to extract the addresses based on given keyword.
  - j. to return the no. of words in each given field (method should accept the name of attribute/field)
- c) Create a user defined data type course\_Type with 2 attributes course\_id, description :
  - i. Create an object table based on the type created.
  - j. Insert rows into the tableDemonstrate the working with different data sets

**Note : Follow the submission guidelines.**

**Deadline : 24/01/2024**

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