Name: Mehul Viond Gohil

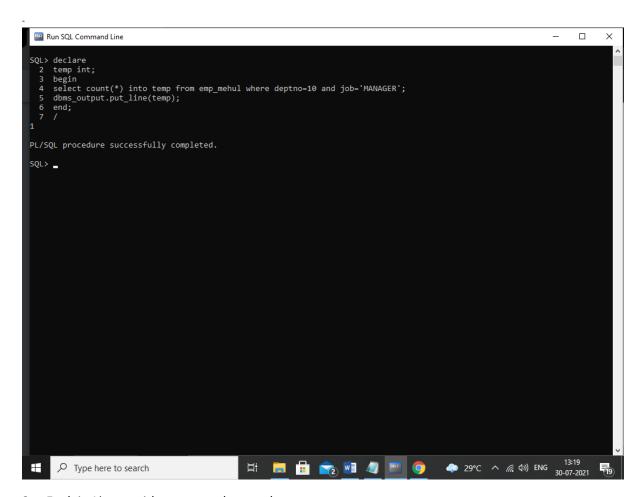
Roll No: 306 SYIT

Assignment 1

1. Explain INTO clause with syntax and example

Ans: Into clause is used to fetch a single row of data from a table into variables in the simplest and the fastest way.

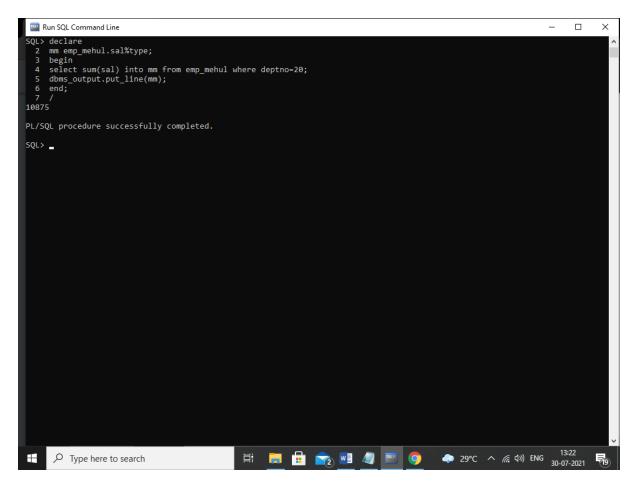
Syntax: SELECT select_list INTO variable_list FROM table_name WHERE condition;



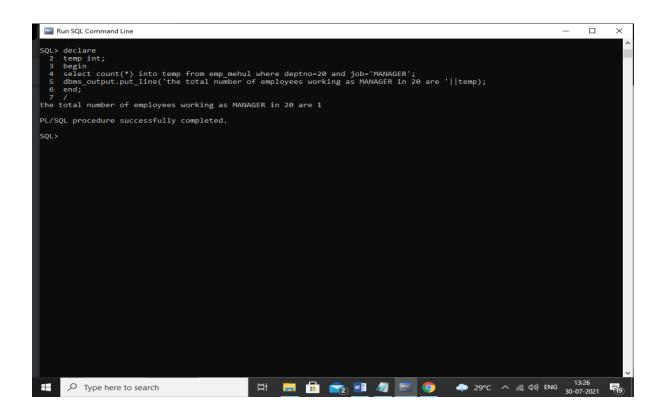
2. Explain %type with syntax and example.

Ans: %TYPE attribute provides the data type of a database column to a variable. It is generally used when variables need to hold the value of the same type as declared in the database.

Syntax variablename tablename.columname%type [:= value];

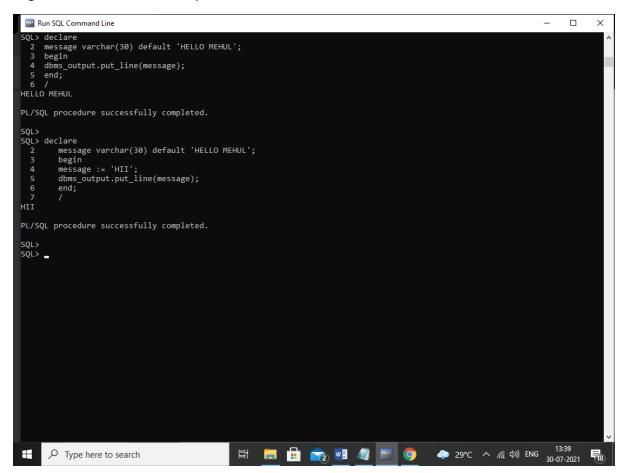


3. Write a PL/SQL block to print the total number of employees working as MANAGER in deptno 20.



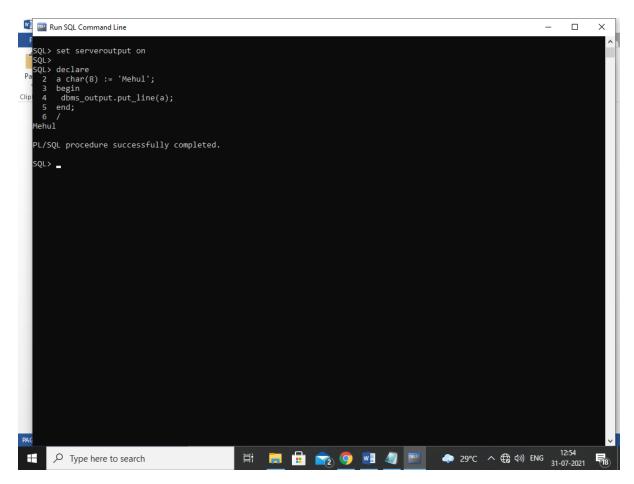
4. What are default variables? How can they be initialized in PL/SQL blocks? Can the value of default variable be changed during execution of program, explain with example?

Ans: When a variable is declared in plsql it assigns a default value of NULL or a default value can optionally be given to it but in order to change the value, you have to re-assign in between the begin and end block. For example:

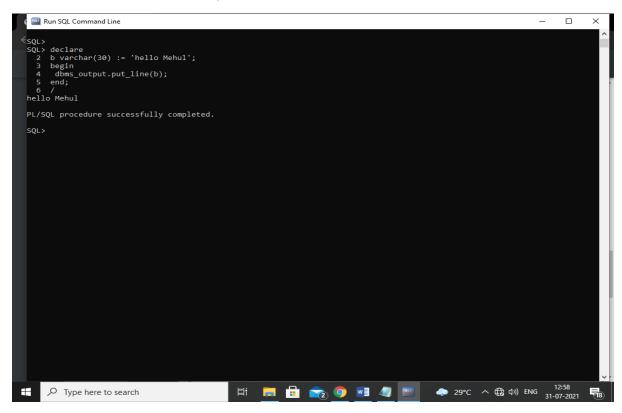


5. What are datatypes? Briefly describe its types. Also give an example.

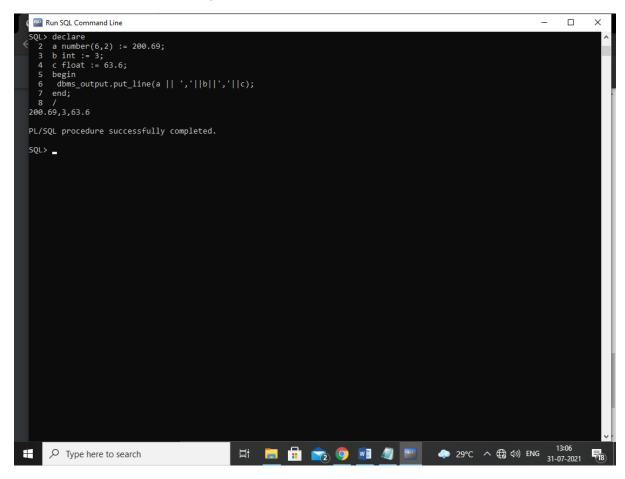
ANS: Datatypes are used to define how the data will be stored, handled, and treated by Oracle during the data storage and processing. The data types are as follows: O Char: This data type stores the string value, and the size of the string is fixed at the time of declaring the variable. Syntax Variable char(10) := 'assigne value'; Example:



Varchar: this data type stores the string, but the length of the string is not fixed. Syntax Variable varchar(20) := 'hello mehul'; Example:



Number: This data type stores fixed or floating-point numbers up to 38 digits of precision. It is used to work with fields that will contain only numeric data. Syntax Variable number(8,2); Variable int; Variable float; Example:



Date time:

This data type stores the values in date format, as of date, month, and year. Whenever a variable is defined with DATE data type along with the date it can hold time information and by default time information is set to 12:00:00 if not specified.

Syntax: current_date DATE:=SYSDATE; Example:

