CSE 4508 – RDBMS Programming Lab

<u>Lab 7</u>

Prerequisites: Oracle 10g Express Edition, Notepad

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A. Write a PL/SQL procedure that takes as input a string. The program will achieve two things:

1) First, print out the contents of the string character by character. For string "abc" the output will be:

```
a
b
c
```

2) Next, check if the string is a palindrome. Print "Yes" or "No" accordingly. [Hint for both: substr]

B. Write a block of PL/SQL code which checks whether the current year is the starting year of a new decade (years such as 2000, 2010, 2020) and prints either "Yes" or "No". After this, it should print the current decade (e.g. for 2000 to 2009, print 'The 2000s', for 2010 to 2019, print 'The 2010s'.

C. Write a PL/SQL function called **times_table** which takes two inputs: **n**, which indicates how many times tables you have to print, and **iter** which indicates how far along the times table you have to go. Then write a block of code to call this function, taking inputs of n and iter from the user. The example output for **n=2** and **iter=3** is shown:

```
1 Table
---------
1*1=1
1*2=2
1*3=3
2 Table
---------
2*1=2
2*2=4
2*3=6
```