

## CSE 4508 – RDBMS Programming Lab

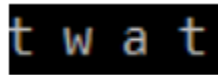
### Lab 6

**A.** Write a block of PL/SQL code that checks whether the current year is a leap year and prints “Yes” or “No”. After this, it should print the previous leap year and the next one.

[Do NOT simply hardcode and print 2016 and 2020]

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

1) Make a new string with a space added between every character of the input string. For instance, if the input string is twat, the output will be:

The image shows a terminal window with a black background. The text 't w a t' is displayed in a light blue or cyan monospaced font, with a single space character between each letter.

2) Check if the original input string was a palindrome. Print “Yes” or “No” accordingly.

[For example: “twat” is not a palindrome, but “tawat” is]

**C.** Write a PL/SQL procedure/function called nearest\_primes. This procedure takes a number, n, as an input. Given the number n, the procedure will output the nearest prime number less than n and the nearest prime number greater than n. For example, if n = 15, the program should output 13 and 17.