

Lab Cycle 5

1. Write a program to determine whether a given year is a leap year [Use Calendar Module]
2. Write a python script to display
 - a) Current date and time
 - b) Current Year
 - c) Month of the year
 - d) Week number of the year
 - e) Weekday of the week
 - f) Day of year
 - g) Day of the month
 - h) Day of week [Use time and datetime Module]
3. Write a python program to print yesterday, today and tomorrow.
4. Write a function in file **palindrome.py** to check whether a string is Palindrome or not. Import the module to find the longest palindromic substring in a given string by checking every possible substring and verifying if it is a palindrome
5. Create a package graphics with modules rectangle, circle and sub-package 3D-graphics with modules cuboid and sphere. Include methods to find area and perimeter of respective figures in each module. Write programs that find the area and perimeter of figures by different importing statements. (Include selective import of modules and import * statements)