

# LAB101Assignment

Type:  
Code:  
LOC:  
Slot(s):

LongAssignment  
C.L.P0021  
100  
3

## Title

Generate day of year, day of week and week of year from a string in date format.

## Background Context

NA

## Program Specifications

Create a program to generate day of year, day of week and week of year from a string in date format.

### **Function details:**

1. Enter a date string, string must be in format dd/mm/yyyy, do not allow user input invalid data.
2. Generate day of year, day of week and week of year from input string
3. Display generated data on the screen
4. Continue to run the program if press enter, press Esc to exit.

### **Expectation of User interface:**

The Program must have interface as below:

*Please enter a date (dd/mm/yyyy): 25/12/2015*

*Day of year: 359*

*Day of week: Friday*

*Week of year: 52*

## Guidelines

- Check input data is valid date
- Do not user input character not number except '/'
- Check leap year