# Assignment Number: 3.1

# Problem Statement:

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| --- |
| Write a program that allows a user to enter a string containing a day of the week (“Sunday,” “Monday,” “Tuesday,” etc.) and uses a switch construct to convert the day to its corresponding number, where Sunday is considered the first day of the week and Saturday is considered the last day of the week. Print out the resulting day number. Also, be sure to handle the case of an illegal day name! (Note: Be sure to use the ‘s’ option on function input so that the input is treated as a string.) |

# Inputs :

Variable is ‘a’ which denotes the days of a week in which Sunday is considered as first day and Saturday is considered the last day.

# Outputs:

It displays the resulting day number such as 1 for Sunday,2 for Monday,3 for Tuesday and so on.Number greater than 7 is considered as invalid input.

# Pseudocode:

* Define a as the days of week
* Assign day name to a.
* If a is sunday then display “1”.
* If a is monday then display “2”.
* If a is tuesday then display “3”.
* If a is wednesday then display “4”.
* If a is thrusday then display “5”.
* If a is friay then display “6”.
* If a is saturday then display “7”.
* Else display “invalid input”.
* stop

# Program :weekdays.m

% Script File: weekdays

% Purpose: To find the number of the day entered.

% Record of Revision:

%Akash jaiswal 15/09/2015 Original

% Variable declaration

% Input Variables

% day\_no-any number between 1 to 7

% Output Variable

%day-string value

%PROMPT USER TO ENTER A STRING

clc;clear all;close all;

code=input('enter the day:','s');

switch code

case {'sunday'}

disp('1')

case {'monday'}

disp('2')

case {'tuesday'}

disp('3')

case {'wednesday'}

disp('4')

case {'5'}

disp('thursday')

case {'6'}

disp('friday')

case {'saturday'}

disp('7')

otherwise

disp('invalid')

end

# Test Results :

>>weekdays

enter the day:Sunday

1

>>weekdays

enter the day:monday

2