

Aim:

Write a C program to read the weekday number from the standard input and print the weekday name using switch-case.

Assume that the weekdays are provided with the below numbers:

- Sunday \Rightarrow 0
- Monday \Rightarrow 1
- Tuesday \Rightarrow 2
- Wednesday \Rightarrow 3
- Thursday \Rightarrow 4
- Friday \Rightarrow 5
- Saturday \Rightarrow 6

Input Format:

- A single line of input contains a positive integer representing the weekday number.

Output Format:

- Display the corresponding day of the week based on the above given criteria.
- If the given number is not a valid weekday number, print "Invalid weekday number"

Source Code:

Weekday.c

```
// Type Content here...
#include<stdio.h>
int main(){
    int day;
    scanf("%d",&day);
    switch(day){
        case 0: printf("Sunday\n");
        break;
        case 1: printf("Monday\n");
        break;
        case 2: printf("Tuesday\n");
        break;
        case 3: printf("Wednesday\n");
        break;
        case 4: printf("Thursday\n");
        break;
        case 5: printf("Friday\n");
        break;
        case 6: printf("Saturday\n");
        break;
        default: printf("Invalid weekday number\n");
    }
    return 0;
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
6
Saturday

Test Case - 2
User Output
9
Invalid weekday number