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Dashboard > ICPE100 (1/2024): Lab > Lab 4.1: Day of the Week Finder (Switch Case)

Lab 4.1: Day of the Week Finder (Switch Case)

EASY

Memory Limit: 200000 KB

Time Limit: 1000 ms

Due date: Sat, 31 Aug 2024 12:00 AM

Created date: Thu, 29 Aug 2024 2:21 PM

Day of the Week Finder

Problem

Submission (3)

Lab 4.1: Day of the Week Finder

Use Switch Case!

You are tasked with writing a program that determines the day of the week based on an integer input. The input number will correspond to a specific day of the week, and your program should output the name of the day.

The system should follow these rules:

- 1: Monday
- 2: Tuesday

```
1 // Phacharawat Eakgawatphokhin
2 // 67878503426
3
4 #include <stdio.h>
5
6 int main(void){
7     int n;
8     scanf("%d", &n);
9
10    if(n < 1 || n > 7){
11        printf("Invalid day!");
12        return 0;
13    }
14
15    switch(n){
16        case 1:
17            printf("Monday");
18            break;
19        case 2:
20            printf("Tuesday");
21            break;
22        case 3:
23            printf("Wednesday");
```

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Dashboard > ICPE100 (1/2024): Lab > Lab 4.2: Palindrome (Basic loop)

Lab 4.2: Palindrome (Basic loop)

EASY

Memory Limit: 200000 KB

Time Limit: 1000 ms

Due date: Sat, 31 Aug 2024 12:00 AM

Created date: Thu, 29 Aug 2024 2:07 PM

Palindrome

Problem

Submission (2)

Lab 4.2: Palindrome

Problem

Write a C program to check a input number is a palindrome.

What is palindrome?

A palindrome number is one that remains the same when its digits are reversed. For example, 121, 12321, and 4554 are **palindrome numbers**, while 123 and 4567 are not.

Example test case

```
1 // Phacharawat Eakgawatphokhin
2 // 67878503426
3
4 #include <stdio.h>
5 #include <string.h>
6
7 int main() {
8     char n[100];
9     scanf("%s", n);
10
11     int left = 0, right = strlen(n) - 1;
12     int isMatch = 1;
13
14     if(n[0] == '-'){
15         printf("Negative value is not considered a palindrome.");
16         return 0;
17     }
18
19     while(left < right){
20         if(n[left] != n[right]){
21             isMatch = 0;
22             break;
23         }
```

C

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