Lab 5.3.8.2 Indexing vs pointers

Objectives

Familiarize the student with:

- Arrays of strings
- Indexing arrays with pointers
- Printing on screen

Scenario

Write a program that asks for a number from the user and prints which day of the week that number corresponds to. The days are indexed from 0 (Sunday) to 6 (Saturday). Store the names of the days in an array and print the name of the day in two ways:

- with pointer arithmetic;
- with array indexing.

Before the program gets a value from the array, it must first check if the given day is greater than or equal to zero and less than 7. If not, it should print the message: "Error, no such day." Your version of the program must print the same result as the expected output.

```c
#include <stdio.h>

int main()
{
 /* your code */
 return 0;
}
```

Example input

0

Example output

```
Pointer version: Sunday
Array index version: Sunday
```

Example input

5

Example output

```
Pointer version: Friday
Array index version: Friday
```

Example input

12

Example output

```
Error, no such day.
```