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#include <stdio.h>
#include <string.h>

// Enum is declared
enum days {mon=1, tue, wed, thu, fri, sat, sun};

// Prototype for function scan_input
enum days scan_input(char* input);

int main(){

    // Declare char array (string)
    char input[8];

    // Ask for input
    printf("Indtast dag\n");
    scanf("%s",input);

    // Translate string input to enum reference
    enum days scanDays = scan_input(input);

    // If an error has occurred, returns an error, and closes the program.
    // That is if scan_input returns 0;
    if(!scanDays)
    {
        printf("Inkorrekt indtastning\n");
        return 1;
    }

    // Udskriv brugerens input samt denne dag nr.
    printf("%s er nummer %d i ugen\n",input,scanDays);

    return 0;
}

/* Function enum days scan_input(char* input)
Arguments: takes a string
Returns enum reference corresponding to string.
*/
enum days scan_input(char* input)
{
    // Declare enum
    enum days retday;
    //uses strcmp from string.h to compare input to predefined strings.
    if(!(strcmp(input,"mandag")))
    {
        retday = mon;
        //Return enum with corresponding value
        return retday;
    }
    else if(!(strcmp(input,"tirsdag")))
    {
        retday = tue;
        return retday;
    }
    else if(!(strcmp(input,"onsdag")))
    {
        retday = wed;
        return retday;
    }
}
```

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else if(!(strcmp(input,"torsdag")))
{
    retday = thu;
    return retday;
}
else if(!(strcmp(input,"fredag")))
{
    retday = fri;
    return retday;
}
else if(!(strcmp(input,"lørdag")))
{
    retday = sat;
    return retday;
}
else if(!(strcmp(input,"søndag")))
{
    retday = sun;
    return retday;
}
else
{
    // Return an 'error'
    return 0;
}
}
```