

LAB REPORT 实验报告

Lab Title	Array of Pointers			Lab No.	10
Stud. Name		Major	CST	Class	
Student ID			Date		

Lab description/objectives:

June 1, 2021, is Tuesday. The user enters a date (1-30) in June, and your program will output the corresponding day of the week. Please use an array of pointers to store the names of the days of the week.

Source code:

```
#include <stdio.h>

int main()
{
    char** dayofweek;

    *(dayofweek + 0) = "Monday";
    *(dayofweek + 1) = "Tuesday";
    *(dayofweek + 2) = "Wednesday";
    *(dayofweek + 3) = "Thursday";
    *(dayofweek + 4) = "Friday";
    *(dayofweek + 5) = "Saturday";
    *(dayofweek + 6) = "Sunday";

    int date = 0;

    scanf("%2d", &date);

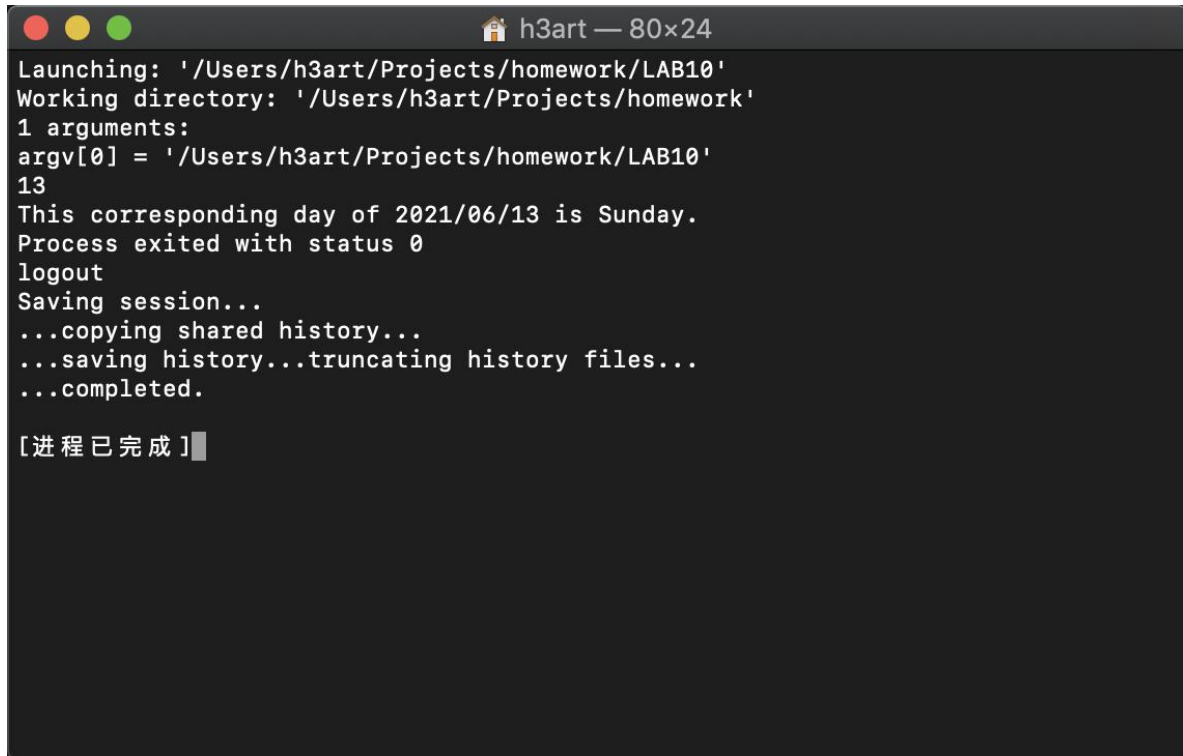
    if (date < 1 || date > 30) {
        printf("The date is out of correct range.\n");
    }

    else {
        int cnt = date % 7;

        printf("This corresponding day of 2021/06/%d is %s.\n", date, *(dayofweek + cnt));
    }

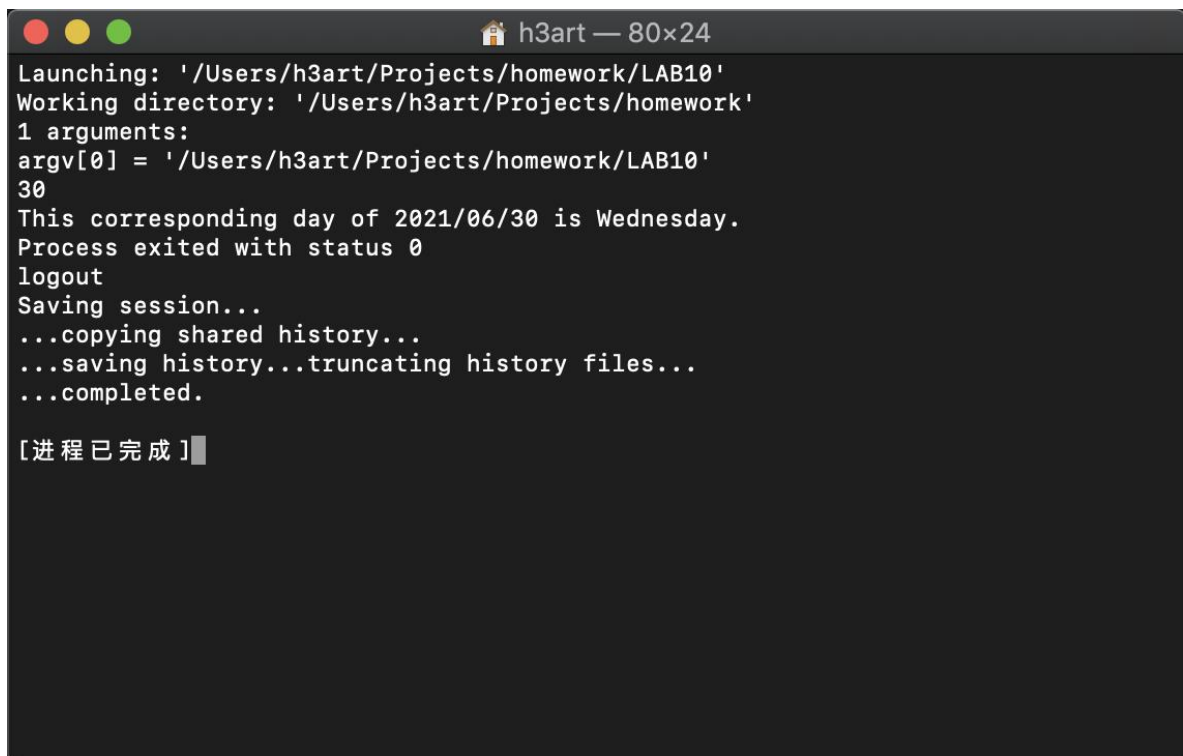
    return 0;
}
```

```
}
```

Program outputs:

```
h3art — 80x24
Launching: '/Users/h3art/Projects/homework/LAB10'
Working directory: '/Users/h3art/Projects/homework'
1 arguments:
argv[0] = '/Users/h3art/Projects/homework/LAB10'
13
This corresponding day of 2021/06/13 is Sunday.
Process exited with status 0
logout
Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.

[进程已完成]
```



```
h3art — 80x24
Launching: '/Users/h3art/Projects/homework/LAB10'
Working directory: '/Users/h3art/Projects/homework'
1 arguments:
argv[0] = '/Users/h3art/Projects/homework/LAB10'
30
This corresponding day of 2021/06/30 is Wednesday.
Process exited with status 0
logout
Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.

[进程已完成]
```

Discussion:

1. Most difficult parts
2. Bugs and/or Errors