Ankara University
Computer Engineering
COM2067 LAB 3

You will receive a song list and a command pair from the user. You will store the song list in a doubly linked list and print the user's requested songs on the screen based on the given command. The first value in the command pair will indicate where the songs will start. Starting from the first song will be expressed as B, and starting from the last song will be expressed as S. The second value in the command pair will indicate how many songs will advance. Read input and output files carefully to write a correct program. The termination of the entering inputs will be performed with -1 value.

```
struct node {
        char songName[50];
        int songNumber;
        struct node* prev;
        struct node* next;
};
```

Submission:

Name your source file as <StudentID>.c. For example, if your ID is 22290777, then you will submit 22290777.c file.

Testing:

We provide a sample input/output text file pairs for you to test your codes at Ubuntu. Please carefully review the sample input and output files given to you for the correct output format.

We recommend you to use input redirection mechanism of your operating system to test your programs. For example, if your executable is called as Lab3, redirect the input.txt file to standard input using < operator and redirect your outputs to a file using > operator such as:

```
> ./Lab3 < input.txt > output.txt
```

This kind of execution enables your programs to read inputs from a file without writing any file related functions. In other words, scanf reads data from the redirected files instead of the std. input in this way (e.g. keyboard).

Automatically compare your own output with the expected output by using the diff myOutput1.txt output1.txt command. If a warning as shown below does not appear on the screen after executing this command, this means that your program is working correctly. If you see a warning in the command system after executing the command, this indicates that there is a problem with your output.

Test your program for different inputs that you will create yourself. Please note that the input files given to you and the input files used during the evaluation may differ from each other.