

# Task1

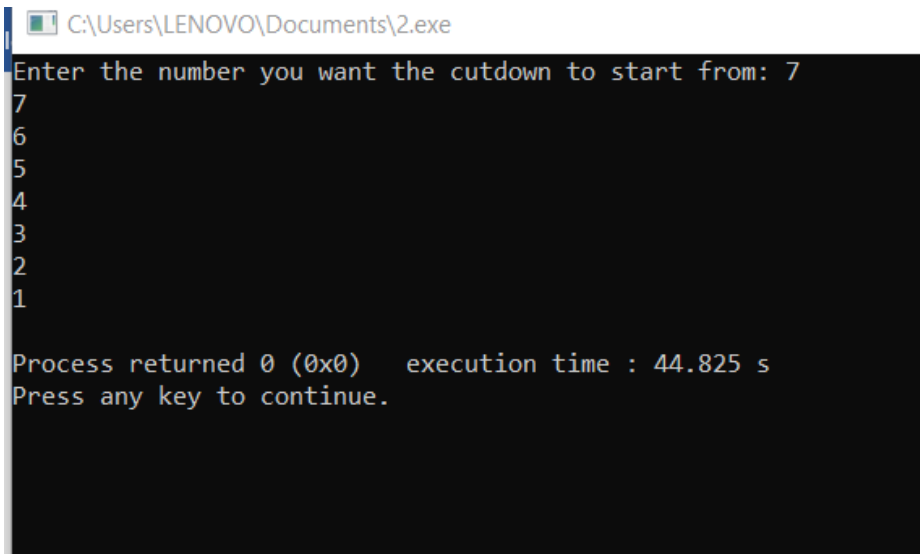
- The code:

```
#include <stdio.h>

int main ()
{
    int start;

    printf("Enter the number you want the cutdown to start from: ");
    scanf("%d",&start);
    for(int i=start;i>0;i--)
    {
        printf("%d\n",i);
    }
}
```

- Screen of the output:



```
C:\Users\LENOVO\Documents\2.exe
Enter the number you want the cutdown to start from: 7
7
6
5
4
3
2
1

Process returned 0 (0x0)   execution time : 44.825 s
Press any key to continue.
```

# Bonus

## •The code:

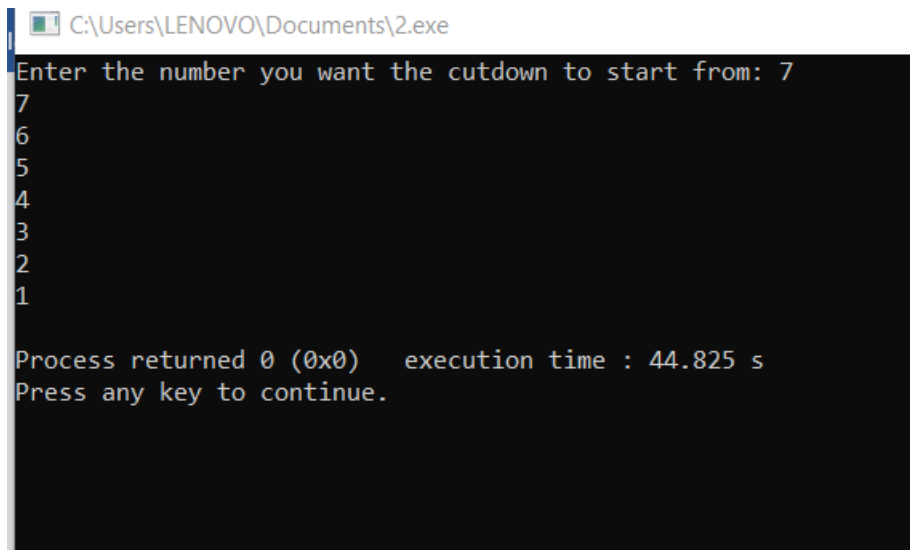
```
#include <stdio.h>
#include <unistd.h>

int countdown(int start)
{
    for (int i = start; i >= 0; i--)
    {
        printf("%d\n", i);
        fflush(stdout); // Flush the output buffer to ensure immediate printing
        sleep(1); // Delay for 1 second
    }
    printf("Blast Off!\n");
}

int main() {
    int start;
    printf("Enter the number to start the countdown from: ");
    scanf("%d", &start);
    for (int i=start; i>=0;i--)
    {
        printf("%d\n", i);
        fflush(stdout);
        sleep(1);
    }
}
```

```
}  
  
return 0;  
}
```

## •Screen of the output:



```
C:\Users\LENOVO\Documents\2.exe  
Enter the number you want the cutdown to start from: 7  
7  
6  
5  
4  
3  
2  
1  
  
Process returned 0 (0x0)   execution time : 44.825 s  
Press any key to continue.
```