Chapter 8

Lab 8.1.1 (1)

```
[ec2-user@ip-172-31-82-95 Lab 8.1.1 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 8.1.1 (1)]$ ./output
Enter a11
3
Enter a12
4
Enter a21
5
Enter a11
6
3 4
5 6
[ec2-user@ip-172-31-82-95 Lab 8.1.1 (1)]$ ./output
Enter a11
1
Enter a12
2
Enter a21
4
Enter a11
3
1 2
4 3
[ec2-user@ip-172-31-82-95 Lab 8.1.1 (1)]$
```

Lab 8.1.2 (1)

```
[ec2-user@ip-172-31-82-95 Lab 8.1.2 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 8.1.2 (1)]$ ./output
Stack size:
5
Enter elements:
1
2
3
4
5
Print elements:
6
Printing:
5
4
3
2
1
Exception:stack is empty
[ec2-user@ip-172-31-82-95 Lab 8.1.2 (1)]$ ./output
Stack size:
3
Enter elements:
1
2
3
Print elements:
2
Printing:
3
2
[ec2-user@ip-172-31-82-95 Lab 8.1.2 (1)]$ █
```

Lab 8.2.3 (1)

```
[ec2-user@ip-172-31-82-95 Lab 8.2.3 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 8.2.3 (1)]$ ./output
Ender Y M D
2016 3 13
13 march 2016 - SUNDAY - 16873 days since 1st January 1970
[ec2-user@ip-172-31-82-95 Lab 8.2.3 (1)]$ ./output
Ender Y M D
2017 12 19
19 december 2017 - TUESDAY - 17519 days since 1st January 1970
```

Lab 8.3.4 (1)

```
[ec2-user@ip-172-31-82-95 Lab 8.3.4 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 8.3.4 (1)]$ ./output
Enter nodes. To stop print -1
3
5
2
-1
2 3 5
[ec2-user@ip-172-31-82-95 Lab 8.3.4 (1)]$ ./output
Enter nodes. To stop print -1
9
2
4
8
3
-1
2 3 4 8 9
[ec2-user@ip-172-31-82-95 Lab 8.3.4 (1)]$
```

Lab 8.4.5 (1)

```
[ec2-user@ip-172-31-82-95 Lab 8.4.5 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 8.4.5 (1)]$ ./output
fsm<<: 3
fsm<<: 6
fsm<<: 4
Stop state reached
States visited:
1(Start), 3, 4, 6(Stop)
[ec2-user@ip-172-31-82-95 Lab 8.4.5 (1)]$ ./output
fsm<<: 1
fsm<<: 2
fsm<<: 3
fsm<<: 4
fsm<<: 5
fsm<<: 4
Stop state reached
States visited:
1(Start), 3, 2, 3, 2, 5, 6(Stop)
[ec2-user@ip-172-31-82-95 Lab 8.4.5 (1)]$
```