Chapter 6

Lab 6.3.5 (1)

```
[ec2-user@ip-172-31-82-95 Lab 6.3.5 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.3.5 (1)]$ ./output
Drawing 1:
 /\
//\\

Drawing 2:
 /\
/**\
Drawing 3:
 /\
/++\
[ec2-user@ip-172-31-82-95 Lab 6.3.5 (1)]$
```

Lab 6.3.6 (1)

```
[ec2-user@ip-172-31-82-95 Lab 6.3.6 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.3.6 (1)]$ ./output
1
1
0
[ec2-user@ip-172-31-82-95 Lab 6.3.6 (1)]$
```

Lab 6.3.7 (1)

```
[ec2-user@ip-172-31-82-95 Lab 6.3.7 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.3.7 (1)]$ ./output
1.2.3.4
999.29.29.29
199.29.29.29
1.2.3.4
999.29.29.29 - Not Correct
199.29.29.29 - Correct
[ec2-user@ip-172-31-82-95 Lab 6.3.7 (1)]$ ./output
1.1.1.1.1
0.0.0.0
0.0.0.0.0
1.1.1.1.1
0.0.0.0 - Correct
0.0.0.0.0 - Not Correct
[ec2-user@ip-172-31-82-95 Lab 6.3.7 (1)]$
```

Lab 6.4.4 (1)

```
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (1)]$ ./output
The string 'hello' is valid

The string 'hello' is invalid
The string 'secret' is valid
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (1)]$
```

Lab 6.4.4 (2)

```
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (2)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (2)]$ ./output
MinLengthValidator
The string 'hello' is invalid
The string 'welcome' is valid

MaxLengthValidator
The string 'hello' is valid
The string 'welcome' is invalid

PatternValidator
The string 'there are 2 types of sentences in the world' is valid
The string 'valid and invalid ones' is invalid

[ec2-user@ip-172-31-82-95 Lab 6.4.4 (2)]$
```

Lab 6.4.4 (3)

```
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (3)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (3)]$ ./output
Validator
The string 'hello' is invalid
The string 'hellohel' is invalid
The string 'Hellohel' is invalid
The string 'Hell0hel' is invalid
The string 'Hell0#el' is valid
sh: pause: command not found
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (3)]$
```

Lab 6.4.4 (4)

```
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (4)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (4)]$ ./output
under construction
sh: pause: command not found
[ec2-user@ip-172-31-82-95 Lab 6.4.4 (4)]$
```

Lab 6.5.8 (1)

```
[ec2-user@ip-172-31-82-95 Lab 6.5.8 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.5.8 (1)]$ ./output
1.1.1.1
2.2.2.2
3.3.3.3
4.4.4.4
5.5.5.5
Network 1:
1.1.1.1
2.2.2.2
3.3.3.3
Network 2:
3.3.3.3
4.4.4.4
5.5.5.5
sh: pause: command not found
[ec2-user@ip-172-31-82-95 Lab 6.5.8 (1)]$ ./output
255.255.255.0
192.168.0.150
10.0.0.1
169.168.0.1
127.0.0.1
Network 1:
255.255.255.0
192.168.0.150
10.0.0.1
Network 2:
10.0.0.1
169.168.0.1
127.0.0.1
sh: pause: command not found
[ec2-user@ip-172-31-82-95 Lab 6.5.8 (1)]$
```

Lab 6.5.9 (1)

```
[ec2-user@ip-172-31-82-95 Lab 6.5.9 (1)]$ g++ -std=c++11 -lm -o output Lab*.cpp
[ec2-user@ip-172-31-82-95 Lab 6.5.9 (1)]$ ./output
Engine: 1.0
Wheel: 16inches
Wheel: 16inches
Wheel: 16inches
Wheel: 16inches
Chassis: Normal
Light: Type 1
Light: Type 1
Light: Type 2
Light: Type 2
Light: Type 3
Light: Type 3
Light: Type 4
Light: Type 4
Light: Type 5
Light: Type 5
Body: Black
[ec2-user@ip-172-31-82-95 Lab 6.5.9 (1)]$
```