Chapter 1

cpp_lab_1_1_6_1-A

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_1-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_1-A]$ ./output
0 2 4 6 8 10 12 14
8
9
8
[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_1-A]$
```

cpp_lab_1_1_6_2-A

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_2-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_2-A]$ ./output
Put float number: 1
1
6
1.5
3.3
5.7
17.5
3.5

[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_2-A]$ ./output
Put float number: 1.2
1.2
6.2
1.7
3.5
5.9
18.5
3.7

[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_2-A]$ ./output
Put float number: 42
42
47
42.5
44.3
46.7
222.5
44.5

[ec2-user@ip-172-31-81-43 cpp_lab_1_1_6_2-A]$
```

cpp_lab_1_2_16_1-A

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_16_1-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_16_1-A]$ ./output
5 3 5 7 [ec2-user@ip-172-31-81-43 cpp_lab_1_2_16_1-A]$ mc
```

cpp_lab_1_2_17_1-B

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_17_1-B]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_17_1-B]$ ./output
Moving left
Moving forward
Moving left
Moving forward
Moving right
Moving backward
Ready
Moving left
Moving forward
Moving forward
Ready
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_17_1-B]$ █
```

cpp_lab_1_2_18_1-A

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_18_1-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_18_1-A]$ ./output
6 9 6 8 [ec2-user@ip-172-31-81-43 cpp_lab_1_2_18_1-A]$ █
```

cpp_lab_1_2_5_1-A

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_5_1-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_5_1-A]$ ./output
1
sums: 7 7 7 6 8
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_5_1-A]$ ./output
5
sums: 11 11 11 10 12
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_5_1-A]$ ./output
6
sums: 12 12 12 11 13
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_5_1-A]$ █
```

cpp_lab_1_2_6_1-A

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_6_1-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_6_1-A]$ ./output
5
Value must be smaller or equal to vector size.[ec2-user@ip-172-31-81-43 cpp_lab_1_2_6_
1-A]$ ./output
2
127.0.0.1
192.168.0.1
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_6_1-A]$ ./output
3
127.0.0.1
192.168.0.1
192.168.1.100
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_6_1-A]$ █
```

cpp_lab_1_2_7_1-C

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_7_1-C]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_7_1-C]$ ./output
17 12
Incorrect amount of money. Incorrect amount of money.
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_7_1-C]$ ./output
20 60
Enough money. Enough money.
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_7_1-C]$ ./output
200 1800
Enough money. Not enough money.
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_7_1-C]$ ./output
1800 200
Not enough money. Enough money.
[ec2-user@ip-172-31-81-43 cpp_lab_1_2_7_1-C]$
```

cpp_lab_1_3_6_1-A (1.2.18.1)

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_6_1-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_6_1-A]$ ./output
8 5 9 7
7 4 8 6
6 3 7 5
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_6_1-A]$
```

cpp_lab_1_3_8_1-A

```
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_8_1-A]$ g++ -std=c++11 -lm -o output lab.cpp
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_8_1-A]$ ./output
1

3

3
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_8_1-A]$ ./output
2

3

3
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_8_1-A]$ ./output
5

3 5 7
5 7 9
7 9 11
11 9 7
9 7 5
7 5 3
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_8_1-A]$ ./output
20

3 5 7 9 11 13 15 17 19 21
5 7 9 11 13 15 17 19 21 23
7 9 11 13 15 17 19 21 23 25
9 11 13 15 17 19 21 23 25 27
11 13 15 17 19 21 23 25 27 29
13 15 17 19 21 23 25 27 29 31
15 17 19 21 23 25 27 29 31 33
17 19 21 23 25 27 29 31 33 35
19 21 23 25 27 29 31 33 35 37
21 23 25 27 29 31 33 35 37 39
39 37 35 33 31 29 27 25 23 21
37 35 33 31 29 27 25 23 21 19
35 33 31 29 27 25 23 21 19 17
33 31 29 27 25 23 21 19 17 15
31 29 27 25 23 21 19 17 15 13
29 27 25 23 21 19 17 15 13 11
27 25 23 21 19 17 15 13 11 9
25 23 21 19 17 15 13 11 9 7
23 21 19 17 15 13 11 9 7 5
21 19 17 15 13 11 9 7 5 3
[ec2-user@ip-172-31-81-43 cpp_lab_1_3_8_1-A]$
```