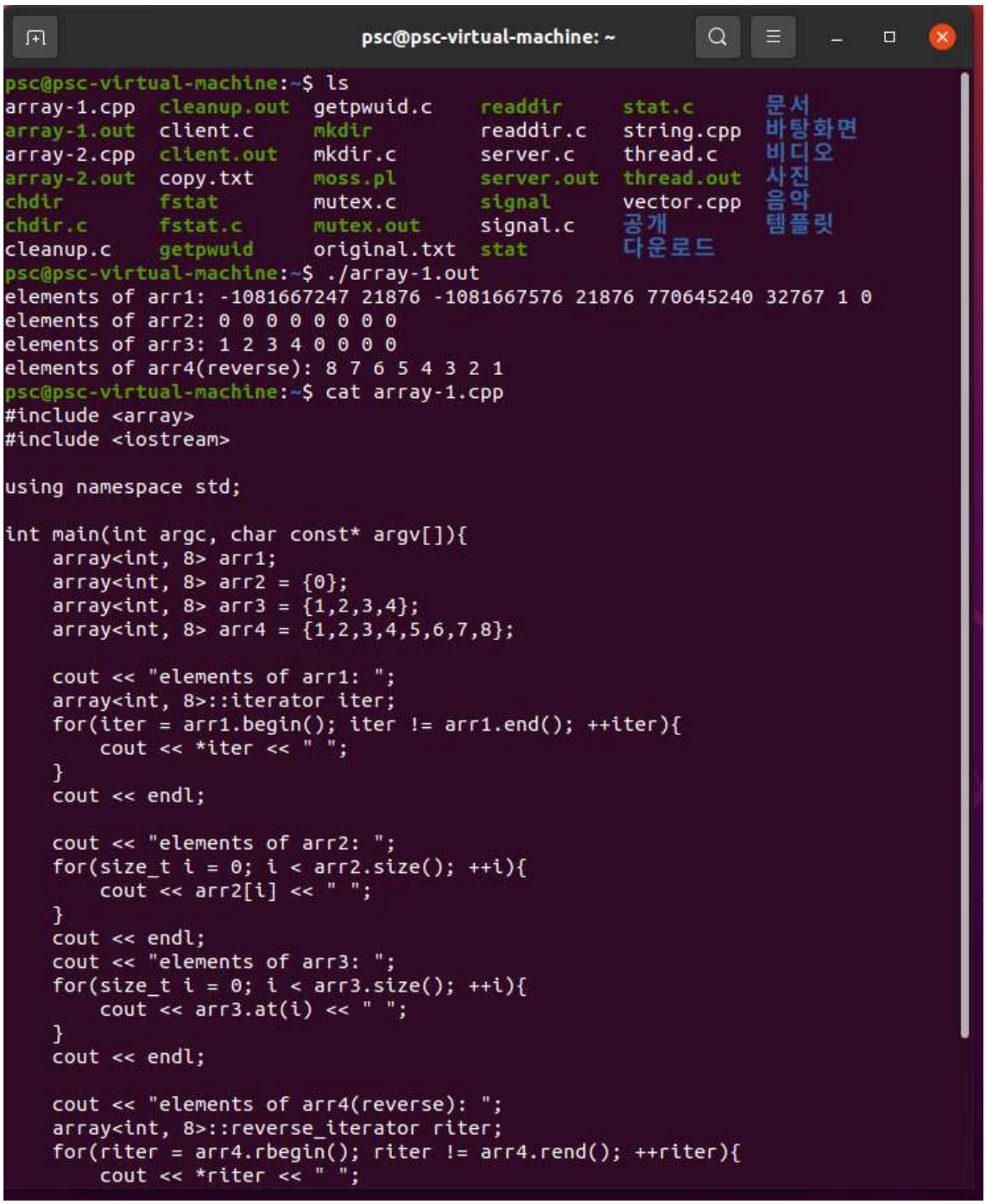
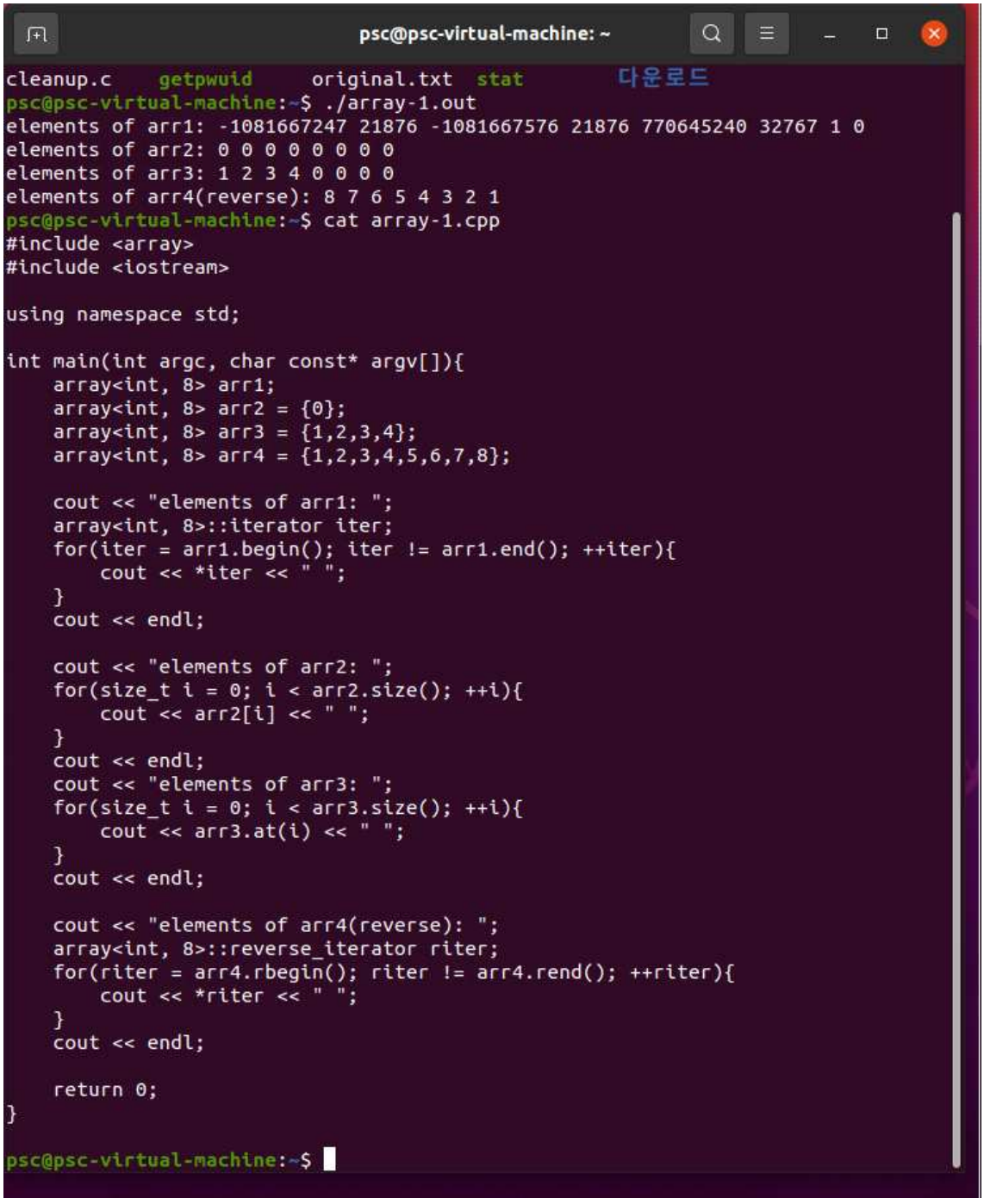
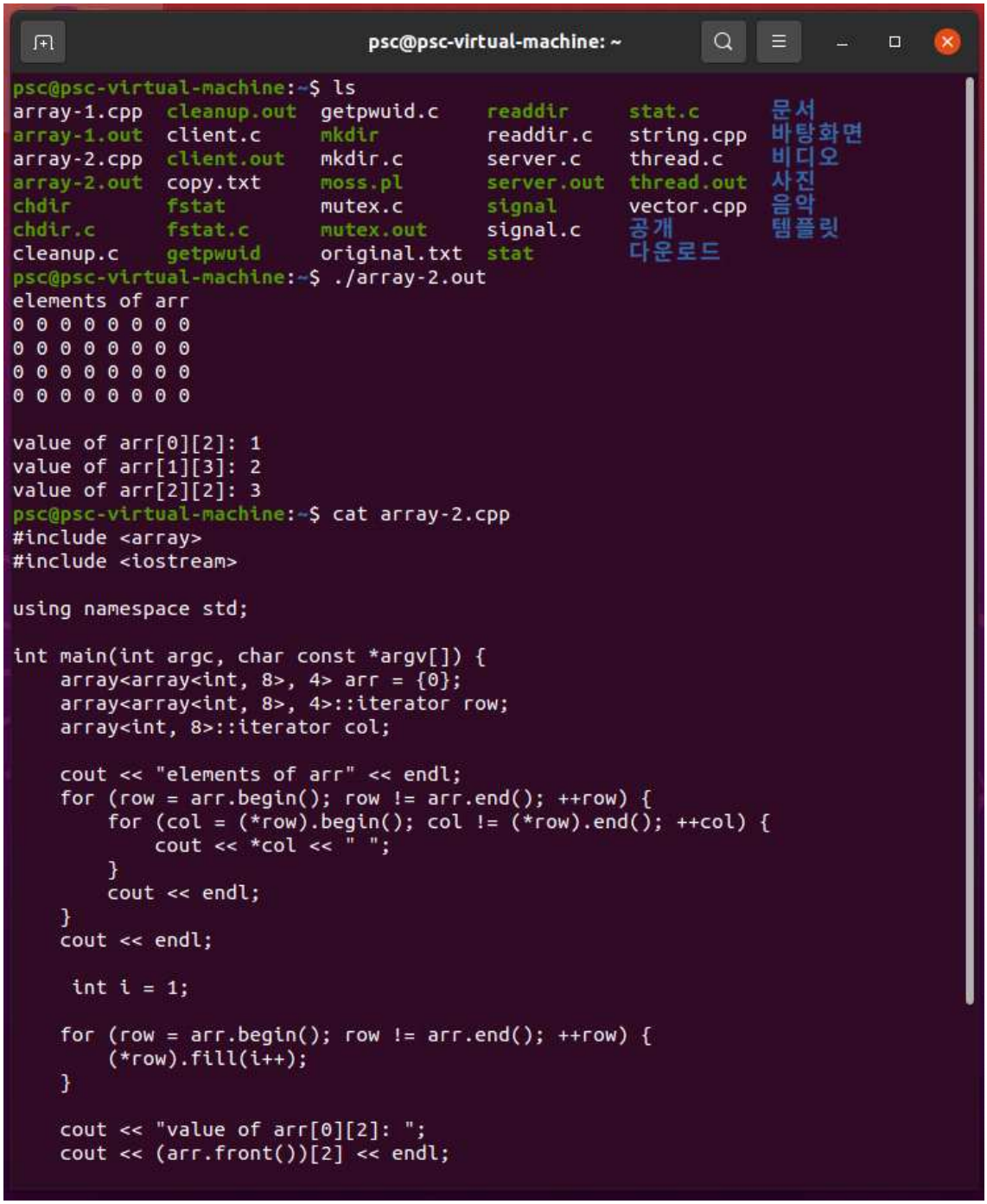
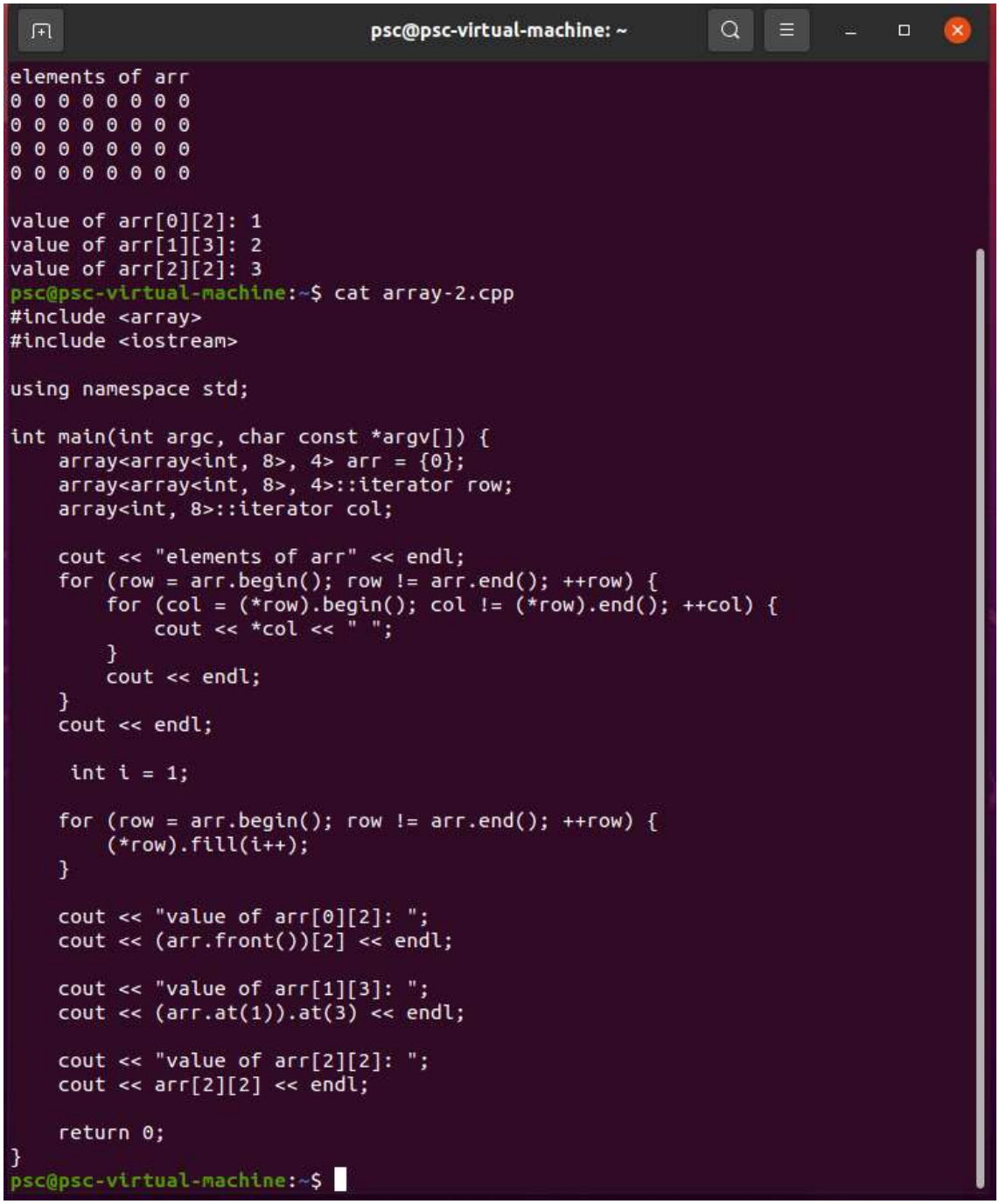
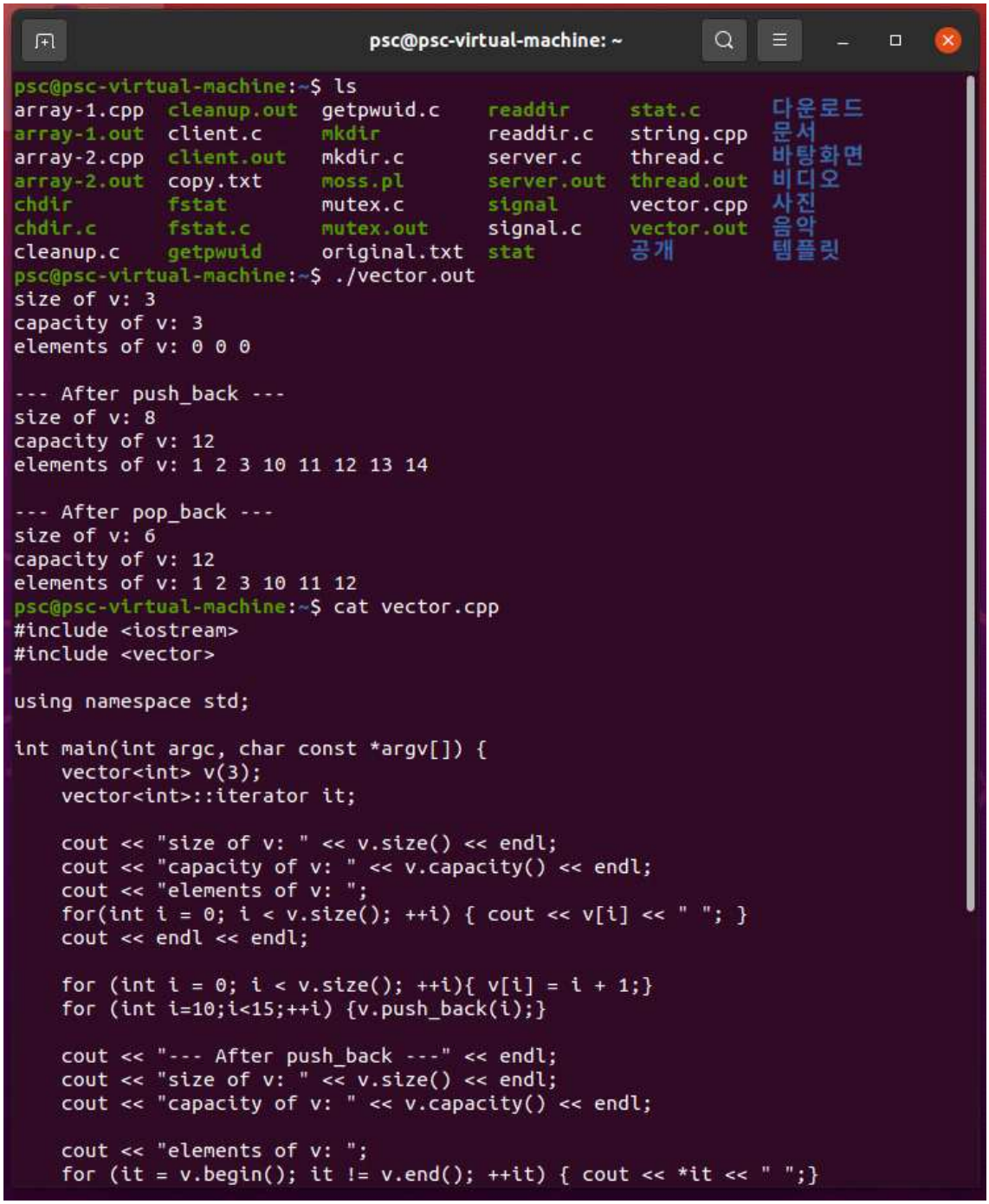
2020203002 박상천




psc@psc-virtual-machine: ~
cleanup.c getpwuid original.txt stat 다운로드
psc@psc-virtual-machine:~$ ./array-1.out
elements of arr1: -1081667247 21876 -1081667576 21876 770645240 32767 1 0
elements of arr2: 0 0 0 0 0 0 0 0
elements of arr3: 1 2 3 4 0 0 0 0
elements of arr4(reverse): 8 7 6 5 4 3 2 1
psc@psc-virtual-machine:~$ cat array-1.cpp
#include <array>
#include <iostream>
using namespace std;
int main(int argc, char const* argv[]){
array<int, 8> arr1;
array<int, 8> arr2 = {0};
array<int, 8> arr3 = {1,2,3,4};
array<int, 8> arr4 = {1,2,3,4,5,6,7,8};
cout << "elements of arr1: ";
array<int, 8>::iterator iter;
for(iter = arr1.begin(); iter != arr1.end(); ++iter){
cout << *iter << " ";
}
cout << endl;
cout << "elements of arr2: ";
for(size_t i = 0; i < arr2.size(); ++i){
cout << arr2[i] << " ";
}
cout << endl;
cout << "elements of arr3: ";
for(size_t i = 0; i < arr3.size(); ++i){
cout << arr3.at(i) << " ";
}
cout << endl;
cout << "elements of arr4(reverse): ";
array<int, 8>::reverse_iterator riter;
for(riter = arr4.rbegin(); riter != arr4.rend(); ++riter){
cout << *riter << " ";
}
cout << endl;
return 0;
}
psc@psc-virtual-machine:~$


psc@psc-virtual-machine: ~
psc@psc-virtual-machine:~$ ls
array-1.cpp cleanup.out getpwuid.c readdir stat.c
array-1.out client.c mkdir readdir.c string.cpp
array-2.cpp client.out mkdir.c server.c thread.c
array-2.out copy.txt moss.pl server.out thread.out
chdir fstat mutex.c signal vector.cpp
chdir.c fstat.c mutex.out signal.c
cleanup.c getpwuid original.txt stat
문서
바탕화면
비디오
사진
음악
템플릿
공개
다운로드
psc@psc-virtual-machine:~$ ./array-2.out
elements of arr
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
value of arr[0][2]: 1
value of arr[1][3]: 2
value of arr[2][2]: 3
psc@psc-virtual-machine:~$ cat array-2.cpp
#include <array>
#include <iostream>
using namespace std;
int main(int argc, char const *argv[]) {
array<array<int, 8>, 4> arr = {0};
array<array<int, 8>, 4>::iterator row;
array<int, 8>::iterator col;
cout << "elements of arr" << endl;
for (row = arr.begin(); row != arr.end(); ++row) {
for (col = (*row).begin(); col != (*row).end(); ++col) {
cout << *col << " ";
}
cout << endl;
}
cout << endl;
int i = 1;
for (row = arr.begin(); row != arr.end(); ++row) {
(*row).fill(i++);
}
cout << "value of arr[0][2]: ";
cout << (arr.front())[2] << endl;


psc@psc-virtual-machine: ~
elements of arr
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
value of arr[0][2]: 1
value of arr[1][3]: 2
value of arr[2][2]: 3
psc@psc-virtual-machine:~$ cat array-2.cpp
#include <array>
#include <iostream>
using namespace std;
int main(int argc, char const *argv[]) {
array<array<int, 8>, 4> arr = {0};
array<array<int, 8>, 4>::iterator row;
array<int, 8>::iterator col;
cout << "elements of arr" << endl;
for (row = arr.begin(); row != arr.end(); ++row) {
for (col = (*row).begin(); col != (*row).end(); ++col) {
cout << *col << " ";
}
cout << endl;
}
cout << endl;
int i = 1;
for (row = arr.begin(); row != arr.end(); ++row) {
(*row).fill(i++);
}
cout << "value of arr[0][2]: ";
cout << (arr.front())[2] << endl;
cout << "value of arr[1][3]: ";
cout << (arr.at(1)).at(3) << endl;
cout << "value of arr[2][2]: ";
cout << arr[2][2] << endl;
return 0;
}
psc@psc-virtual-machine:~$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psc@psc-virtual-machine:~$ ls
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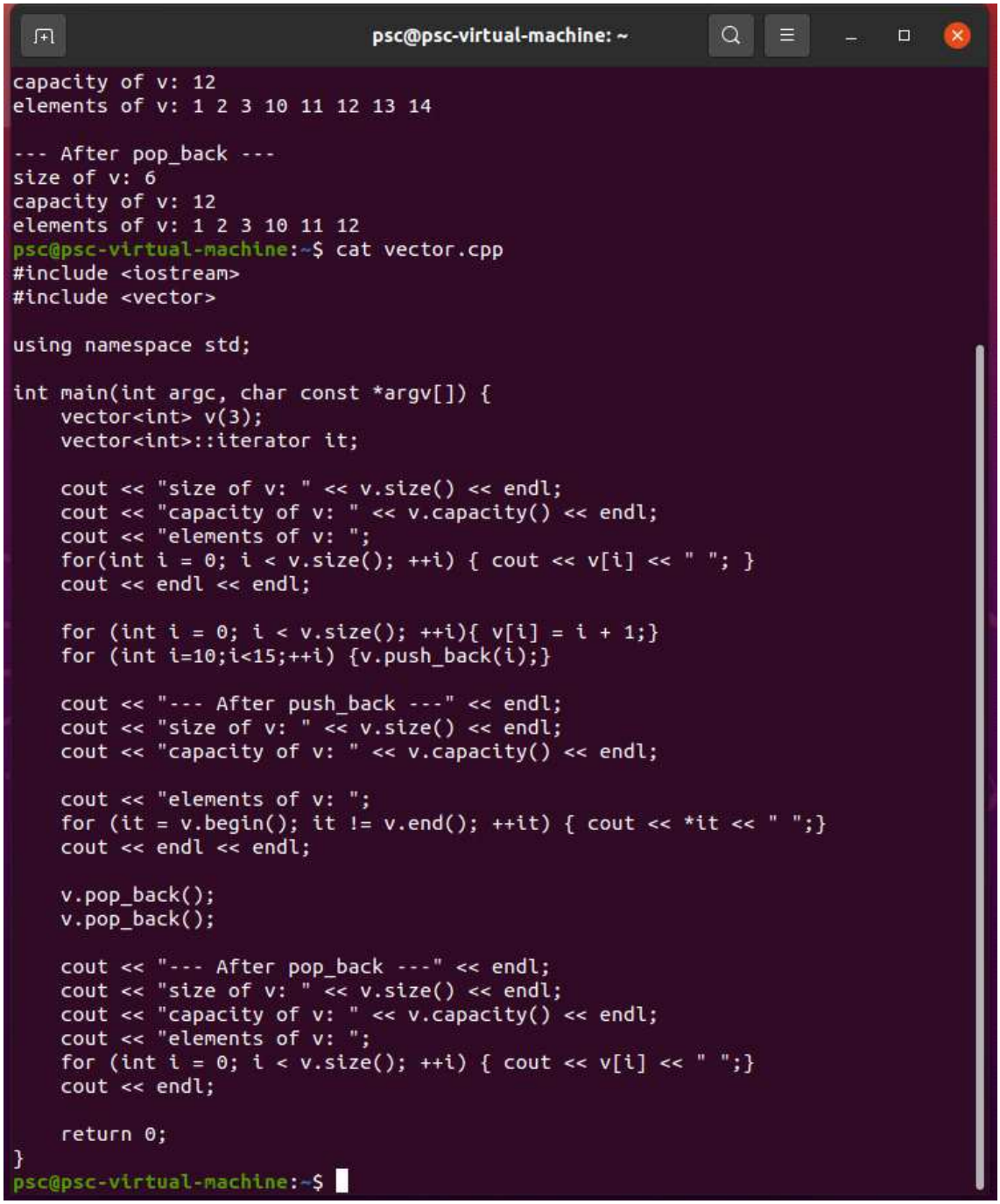
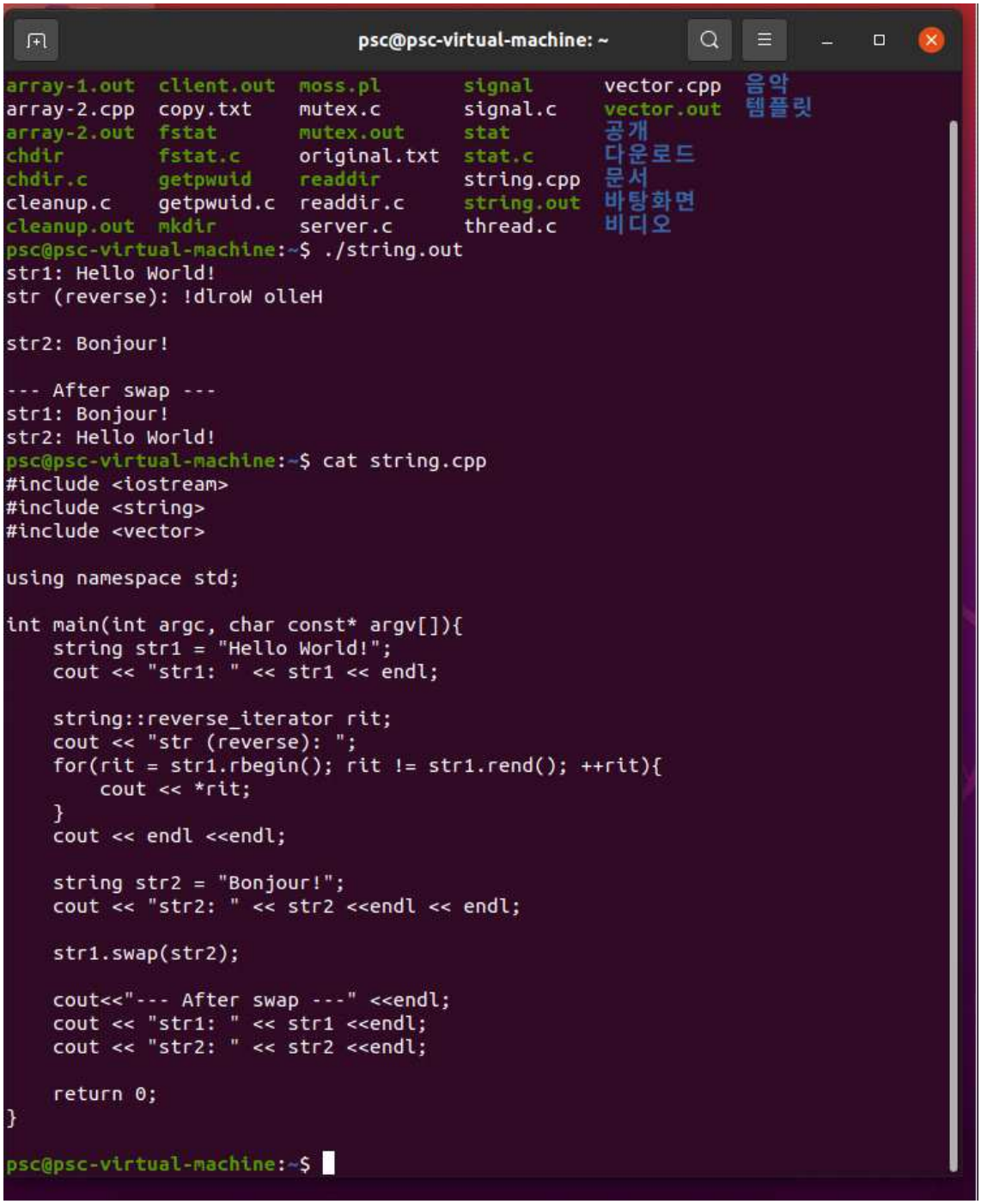
array-1.out client.c mkdir readdir.c string.cpp 문서
array-2.cpp client.out mkdir.c server.c thread.c 바탕화면
array-2.out copy.txt moss.pl server.out thread.out 비디오
chdir fstat mutex.c signal vector.cpp 사진
chdir.c fstat.c mutex.out signal.c vector.out 음악
cleanup.c getpwuid original.txt stat 공개 템플릿
psc@psc-virtual-machine:~$ ./vector.out
size of v: 3
capacity of v: 3
elements of v: 0 0 0
--- After push_back ---
size of v: 8
capacity of v: 12
elements of v: 1 2 3 10 11 12 13 14
--- After pop_back ---
size of v: 6
capacity of v: 12
elements of v: 1 2 3 10 11 12
psc@psc-virtual-machine:~$ cat vector.cpp
#include <iostream>
#include <vector>
using namespace std;
int main(int argc, char const *argv[]) {
vector<int> v(3);
vector<int>::iterator it;
cout << "size of v: " << v.size() << endl;
cout << "capacity of v: " << v.capacity() << endl;
cout << "elements of v: ";
for(int i = 0; i < v.size(); ++i) { cout << v[i] << " "; }
cout << endl << endl;
for (int i = 0; i < v.size(); ++i){ v[i] = i + 1;}
for (int i=10;i<15;++i) {v.push_back(i);}
cout << "--- After push_back ---" << endl;
cout << "size of v: " << v.size() << endl;
cout << "capacity of v: " << v.capacity() << endl;
cout << "elements of v: ";
for (it = v.begin(); it != v.end(); ++it) { cout << *it << " ";}


psc@psc-virtual-machine: ~
capacity of v: 12
elements of v: 1 2 3 10 11 12 13 14
--- After pop_back ---
size of v: 6
capacity of v: 12
elements of v: 1 2 3 10 11 12
psc@psc-virtual-machine:~$ cat vector.cpp
#include <iostream>
#include <vector>
using namespace std;
int main(int argc, char const *argv[]) {
vector<int> v(3);
vector<int>::iterator it;
cout << "size of v: " << v.size() << endl;
cout << "capacity of v: " << v.capacity() << endl;
cout << "elements of v: ";
for(int i = 0; i < v.size(); ++i) { cout << v[i] << " "; }
cout << endl << endl;
for (int i = 0; i < v.size(); ++i){ v[i] = i + 1;}
for (int i=10;i<15;++i) {v.push_back(i);}
cout << "--- After push_back ---" << endl;
cout << "size of v: " << v.size() << endl;
cout << "capacity of v: " << v.capacity() << endl;
cout << "elements of v: ";
for (it = v.begin(); it != v.end(); ++it) { cout << *it << " ";}
cout << endl << endl;
v.pop_back();
v.pop_back();
cout << "--- After pop_back ---" << endl;
cout << "size of v: " << v.size() << endl;
cout << "capacity of v: " << v.capacity() << endl;
cout << "elements of v: ";
for (int i = 0; i < v.size(); ++i) { cout << v[i] << " ";}
cout << endl;
return 0;
}
psc@psc-virtual-machine:~$


psc@psc-virtual-machine: ~
array-1.out client.out moss.pl signal vector.cpp 음악
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cleanup.c getpwuid.c readdir.c string.out 바탕화면
cleanup.out mkdir server.c thread.c 비디오
psc@psc-virtual-machine:~$ ./string.out
str1: Hello World!
str (reverse): !dlroW olleH
str2: Bonjour!
--- After swap ---
str1: Bonjour!
str2: Hello World!
psc@psc-virtual-machine:~$ cat string.cpp
#include <iostream>
#include <string>
#include <vector>
using namespace std;
int main(int argc, char const* argv[]){
string str1 = "Hello World!";
cout << "str1: " << str1 << endl;
string::reverse_iterator rit;
cout << "str (reverse): ";
for(rit = str1.rbegin(); rit != str1.rend(); ++rit){
cout << *rit;
}
cout << endl <<endl;
string str2 = "Bonjour!";
cout << "str2: " << str2 <<endl << endl;
str1.swap(str2);
cout<<"--- After swap ---" <<endl;
cout << "str1: " << str1 <<endl;
cout << "str2: " << str2 <<endl;
return 0;
}
psc@psc-virtual-machine:~$