

Competitive Programming

CSE - 108

Lab Title: Competitive Programming.

Lab Report - 6: Vector.

Submitted By:

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Section: E-1

Semester: 1-2

Session: Spring 2023

Submitted To:

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Lecturer

Department of Computer Science

& Engineering

University of Asia Pacific

Vector Modifiers

Vector Assign:

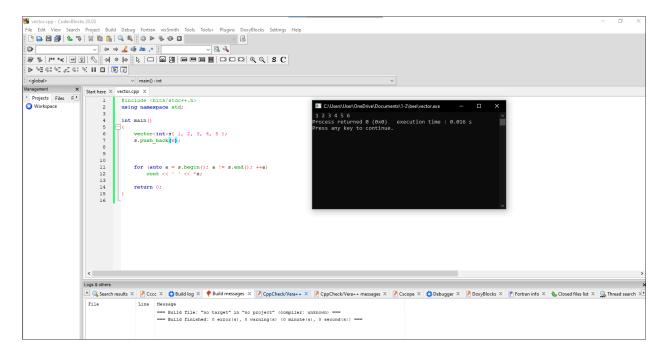
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           agement X Start here X vector.cpp X
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lements are
        Projects Files F
                                                                                                                     int main()
⊢(
                                                                                                                                                                                                                                                                                                                                                                                                         he list is:
2 3 4 5
rocess returned 0 (0x0) execution time : 0.016 s
ress any key to continue.
                                                                                                                                    s.assign({1,2,3,4,5});
                                                                                               9
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                                                                                                                                    cout << "Elements are\n";
for (int i = 0; i < s.size(); i++)
    cout << s[i] << endl;</pre>
                                                                                                                                      cout<<"The list is:"<<endl;
for(auto a= s.begin();a != s.end(); a++)
                                                                                                                                                      cout<<*a<<" ";
                                                                                                                                         return 0;
                                                                            Logs & others
                                                                               🗓 🔾 Search results X 📝 Cccc X 🔅 Build log X 📍 Build messages X 🧷 CppCheck/Vera++ X 📝 CppCheck/Vera++ messages X 💆 Cscope X 🔅 Debugger X 📝 Debugger X 📝 DoxyBlocks X 🖺 Fortran info X 🐁 Closed files list X 🖳 Thread search 🗵
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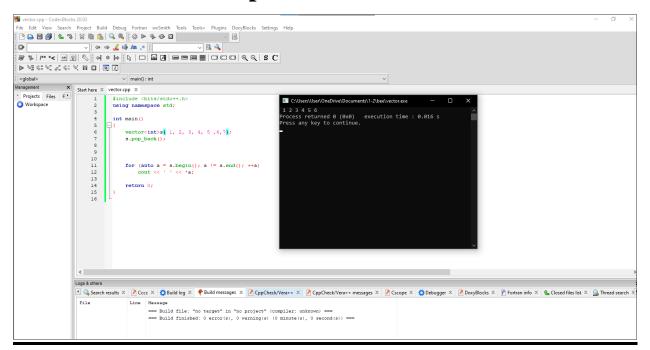
== Build file: "no target" in "no project" (compiler: unknown) ===

=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===
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C:\Users\User\OneDrive\Documents\1-2\bee\vector.cpp
```

Vector Pushback:



Popback of Vector

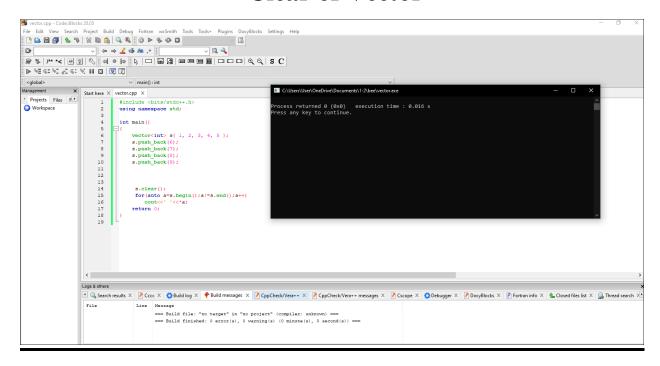


Insert of Vector

```
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Company Compa
  C:\Users\User\OneDrive\Documents\1-2\bee\vector.exe
                                                                                                                                                                                                                                                                                                                                                                riginal vector :
2 3 4 5
ector after inserting my roll at position 2 :
2 27 3 4 5
                                                                                                  int main()
                                                                                                                                                                                                                                                                                                                                                                    ocess returned 0 (0x0) execution time : 0.016 s
                                                                                                                vector<int> s{ 1, 2, 3, 4, 5 };
                                                                                                                cout << "Original vector :\n";
for (auto a:s)
cout<<a<<" ";
cout << "\n";</pre>
                                                                                                                s.insert(s.begin() + 2, 227);
                                                                                                              cout << "Vector after inserting my roll at position 2 :\n";
for (auto a : s)
    cout << a << " ";
cout << "\n";</pre>
                                                                                                    return 0;
                                                                Logs & others
                                                                 🛂 😩 Search results X 📝 Cccc X 🐞 Build log X 📌 Build messages 🗶 📝 CppCheck/Vera++ X 📝 CppCheck/Vera+- messages X 📝 Cscope X 🏚 Debugger X 📝 DeocyBlocks X 🧗 Fortran info X 🐍 Closed files list X 💃 Thread search X
                                                                                                                      Line Message === Build file: "no target" in "no project" (compiler: unknown) === === Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===
```

Clear of Vector

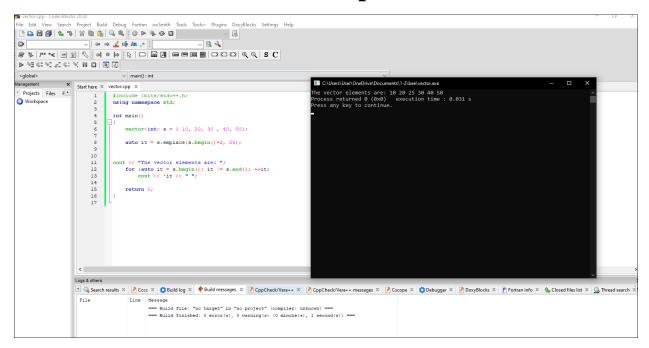


Erase of Vector

Swap of Vector

```
| Westpace | Westpace
```

Vector Emplace



Vector R Begin

