

```
43     popt::value<std::string>(),
44     "specify the Prolog results output file")
45     ("report,r",
46     "report classes found to stdout")
47     ("timing,t",
48     "enable timing performance reporting")
49     ;
50     return digopt;
51 }
52
53 // print the results of the analysis.
54 void print_results(void) {
55
56     for (const ClassDescriptorMap::value_type& ucpair : classes) {
57         const ClassDescriptor& obj = ucpair.second;
58         OINFO << "===== " << LEND;
59         OINFO << "Constructor: " << obj.get_name() << " (" << obj.address_string() << ")" << LEND;
60
61         for (const MemberMap::value_type& mpair : obj.data_members) {
62             const Member& member = mpair.second;
63             member.debug();
64         }
65     }
66 }
```

SEI BULLETIN - September 6, 2017

## CERT Releases Updated Reverse Engineering Tool on GitHub

Pharos is a CERT-created framework that builds upon the ROSE compiler infrastructure developed by Lawrence Livermore National Laboratory for disassembly, control flow analysis, instruction semantics, and more. Pharos uses these features to automate common reverse engineering tasks. In a recent SEI Blog post, Jeff Gennari announced updates to the framework on GitHub including many new tools, improvements, and bug fixes.

[Learn more and download the framework.](#)

### SEI NEWS

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- [Garlan Honored with Nancy Mead Award](#)
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