Daily Assessment journal

Date: 26/06/2020   Name: Jyoti S. Donur

course: C++ programming   Vsn: 4ALI7EC037

Topic: challenges
   • certificate

Github
Repository: Jyoti-courses

Forenoon session details

Report

→ C++ is a statically typed, compiled, general purpose, case sensitive, free from programming language that supports procedural, object oriented & generic programming

→ C++ is regarded as a middlelevel language as it comprises a combination of both high level & low level language features.

→ C++ was developed by Bjarne stroustrup starting in 1979 at Bell labs in murray brill, new jersey, as an enhancement to the c language & originally named c with classes but later it was renamed c++ in 1983.

Note
→ A programming language is said to use static typing when type checking is performed during compile time as opposed to runtime. oop C++ fully supports object oriented programming, including the four pillars of object oriented development
   • Encapsulation
   • Data hiding
   • Inheritance
   • polymorphism
   • standard libraries
standard c++ consists of three important parts —

- the core language giving all the building blocks including variables, data types & literals etc
- the c++ standard library giving a rich set of funs manipulating files, strings, etc
- the standard template library (STL) giving a rich set of methods manipulating data structures, etc

The ANSI standard

→ The ANSI standard is an attempt to ensure that c++ is portable, that code you write for microsoft's compiler will compile without errors, using a compiler on mac unix, a windows box, or an alpha the ANSI standard has been stable for a while, & all the major c++ compiler manufactures support the ANSI standard

Learning c++

→ the most important thing while learning c++ is to focus on concepts. the purpose of learning a programming language is to become a better programmer; that is to become more effective at designing & implementing new systems & at maintaining old one

→ c++ supports a variety of programming styles. you can write in the style of fortran, c small talk etc

Use of c++

→ c++ is used by hundred of thousands of programmers in essentially every application domain.

→ c++ is being highly used to write device drivers & other software that rely on direct manipulation of hardware under realtime constraints..