DAILY ASSESSMENT REPORT

Date:	26 June 2020	Name:	Gagan M K
Course:	C Plus Plus	USN:	4AL17EC032
Topic:	• Challenges	Semester & Section:	6th sem & 'A' sec
GitHub Repository:	Alvas-education-foundation/Gagan-Git		

FORENOON SESSION DETAILS
Image of session
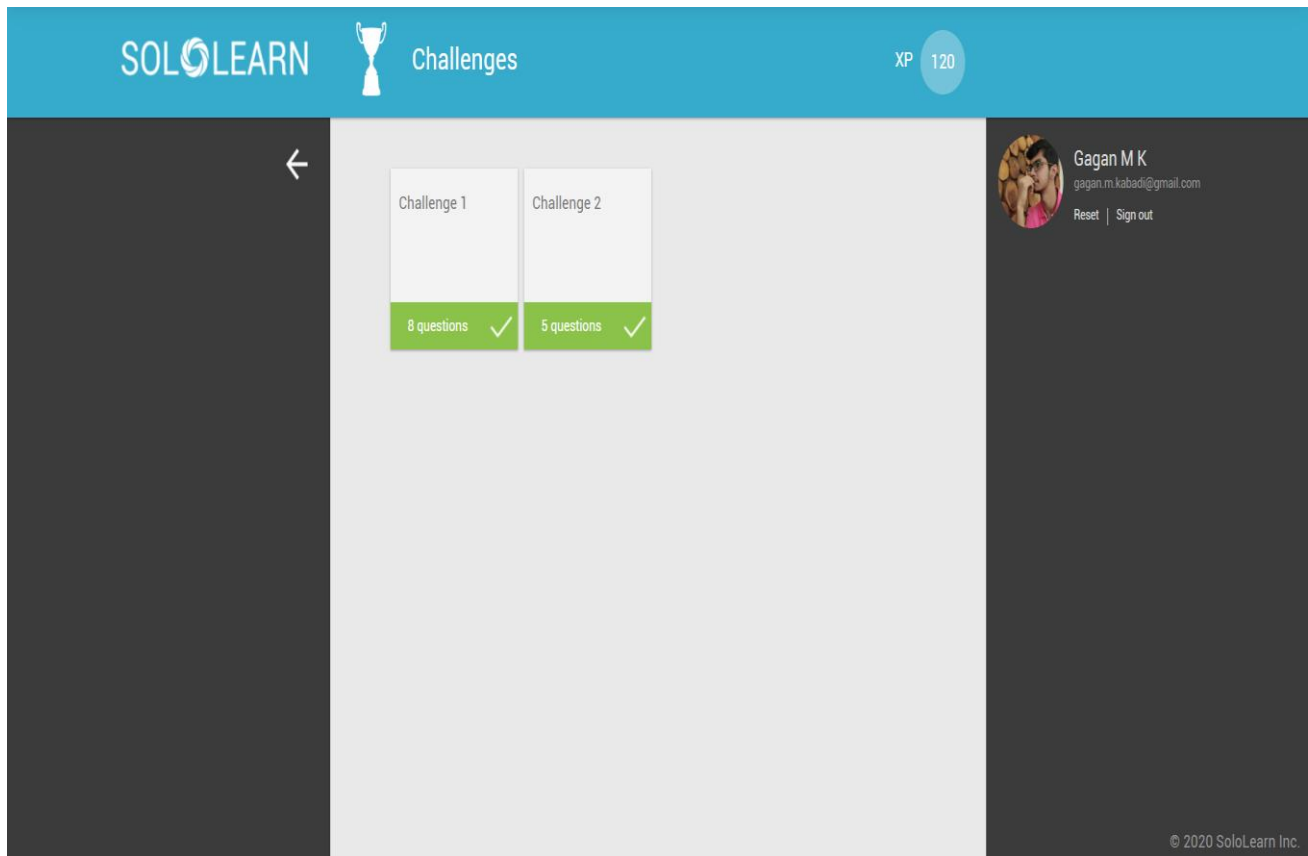
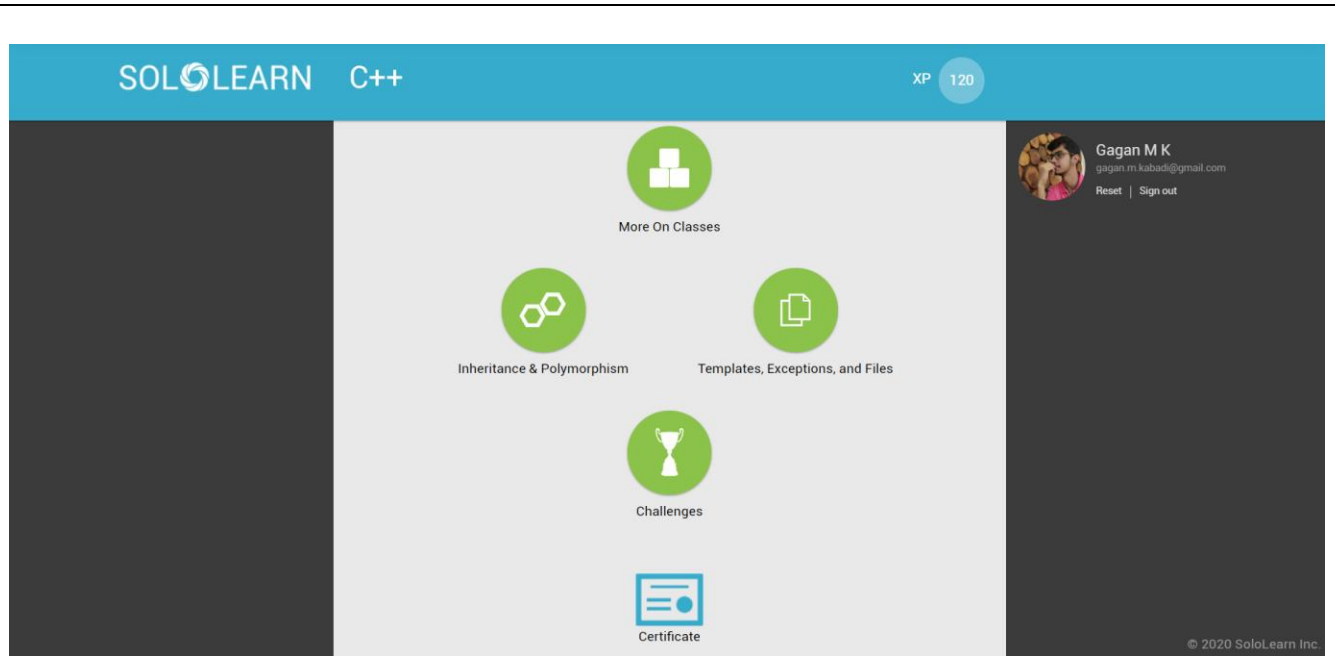**Report** – Report can be typed or hand written for up to two pages.

Challenges:

- C++ is a statically typed, compiled, general-purpose, case-sensitive, free-form programming language that supports procedural, object-oriented, and generic programming.
- C++ is regarded as a middle-level language, as it comprises a combination of both high-level and low-level language features.
- C++ was developed by Bjarne Stroustrup starting in 1979 at Bell Labs in Murray Hill, New Jersey, as an enhancement to the C language and originally named C with Classes but later it was renamed C++ in 1983.
- C++ is a superset of C, and that virtually any legal C program is a legal C++ program.
- Note– A programming language is said to use static typing when type checking is performed during compile-time as opposed to run-time.
- Object-Oriented Programming C++ fully supports object-oriented programming, including the four pillars of object-oriented development –
  -Encapsulation
  -Data hiding
  -Inheritance
  -Polymorphism
- 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 a Mac, UNIX, a Windows box, or an Alpha.
- The ANSI standard has been stable for a while, and all the major C++ compiler manufacturers support the ANSI standard.
- 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 and implementing new systems and at maintaining old ones.
- C++ supports a variety of programming styles. You can write in the style of Fortran, C, Smalltalk, etc., in any language.
- Each style can achieve its aims effectively while maintaining runtime and space efficiency.
- C++ is used by hundreds of thousands of programmers in essentially every application domain.
- C++ is being highly used to write device drivers and other software that rely on direct manipulation of hardware under real time constraints.
- C++ is widely used for teaching and research because it is clean enough for successful teaching of basic concepts.

SOLOLEARN   C++   XP 120

More On Classes

Inheritance & Polymorphism   Templates, Exceptions, and Files

Challenges

Certificate

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This is to certify that

Gagan M K

has successfully completed the

C++ Tutorial course

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C++

Yeva Hyusyan
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