**DAILY ASSESSMENT FORMAT**

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| **Date:** | **26 june 2020** | **Name:** | **Sanketh S Acharya** |
| **Course:** | **C++ Programming** | **USN:** | **4AL17EC084** |
| **Topic:** | **Chalenges** | **Semester & Section:** | **6TH SEM & ‘B’ SEC** |
| **Github Repository:** |  |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **C:\Users\cw\Desktop\26 j1.png** |
| **Report –**  **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 isperformed 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 forMicrosoft'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++ compilermanufacturers 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 applicationdomain.**  **• C++ is being highly used to write device drivers and other software that rely on directmanipulation 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.**  **Certificate:** |