**DAILY ASSESSMENT FORMAT**

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| **Date:** | **26-06-2020** | **Name:** | **Bhavith** |
| **Course:** | **C++ Programming** | **USN:** | **4AL17EC009** |
| **Topic:** | **Inheritance and Polymorphism** | **Semester & Section:** | **6th,A** |
| **Github Repository:** | **Bhavith-Online-Courses** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **Screenshot (161)** |
| **Report – Report can be typed or hand written for up to two pages.**  **Inheritance:**   * **The capability of a class to derive properties and characteristics from another class is called **Inheritance**. Inheritance is one of the most important feature of Object Oriented Programming.** * ****Sub Class:** The class that inherits properties from another class is called Sub class or Derived Class.** * ****Super Class:**The class whose properties are inherited by sub class is called Base Class or Super class.**   **Polymorphism:**   * **The word polymorphism means having many forms.** * **In simple words, we can define polymorphism as the ability of a message to be displayed in more than one form.** * **Real life example of polymorphism, a person at the same time can have different characteristic. Like a man at the same time is a father, a husband, an employee.** * **So the same person posses different behavior in different situations. This is called polymorphism.** * **Polymorphism is considered as one of the important features of Object Oriented Programming. **In C++ polymorphism is mainly divided into two types:**** * **Compile time Polymorphism** * **Runtime Polymorphism**   **Screenshot (162)** |