**DAILY ASSESSMENT FORMAT**

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| **Date:** | **26-June-2020** | **Name:** | **Bhuvanesh M** |
| **Course:** | **C++ Programming** | **USN:** | **4AL16EC015** |
| **Topic:** | **Inheritance and polymorphism** | **Semester & Section:** | **8th sem & ‘A’ section** |
| **Github Repository:** | **Bhuvan** |  |  |

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| **SESSION DETAILS** |
| **Image of session** |
| **Report –**  In my first session today I have studied about - **Inheritance and polymorphism**  [**Inheritance**](https://www.geeksforgeeks.org/inheritance-in-c/)**:**  Inheritance is one in which a new class is created that inherits the properties of the already exist class. It supports the concept of code reusability and reduces the length of the code in object-oriented programming.  Types of Inheritance are:   1. Single inheritance 2. Multi-level inheritance 3. Multiple inheritance 4. Hybrid inheritance 5. Hierarchical inheritance   **Example of Inheritance:**   * C++ * Java   filter\_none  edit  play\_arrow  brightness\_4   |  | | --- | | #include "iostream"  using namespace std;    class A  {      int a, b;      public:      void add(int x, int y)      {          a=x;b=y;          cout<<(a+b)<<endl;      }  };    class B : public A  {      public:      void print(int x, int y)      {          add(x, y);      }  };    int main() {     B b1;     b1.print(5, 6);  } |   **Output:**  addition of a+b is:11  Here, class B is the derived class which inherit the property(**add method**) of the base class A. |