**DAILY ASSESSMENT FORMAT**

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| **Date:** | **27-June-2020** | **Name:** | **Bhuvanesh M** |
| **Course:** | **C++ Programming** | **USN:** | **4AL16EC015** |
| **Topic:** | **Polymorphism** | **Semester & Section:** | **8th sem & ‘A’ section** |
| **SESSION DETAILS** | | | |
| **Image of session** | | | |
| [**Polymorphism**](https://www.geeksforgeeks.org/polymorphism-in-c/)**:** Polymorphism is that in which we can perform a task in multiple forms or ways. It is applied to the functions or methods. Polymorphism allows the object to decide which form of the function to implement at compile-time as well as run-time.  Types of Polymorphism are:   1. Compile-time polymorphism (Method overloading) 2. Run-time polymorphism (Method Overriding)   **Example of Polymorphism:**   * C++ * Java   filter\_none  edit  play\_arrow  brightness\_4   |  | | --- | | #include "iostream"  using namespace std;    class A  {      int a, b, c;      public:      void add(int x, int y)      {          a=x;b=y;          cout<<"addition of a+b is:"<<(a+b)<<endl;      }        void add(int x, int y, int z)      {          a=x;b=y;c=z;          cout<<"addition of a+b+c is:"<<(a+b+c)<<endl;      }        void print()      {          cout<<"Class A's method is running"<<endl;      }  };    class B : public A  {      public:      void print()      {          cout<<"Class B's method is running"<<endl;      }  };    int main() {      A a1;        //method overloading (Compile-time polymorphism)      a1.add(6, 5);        //method overloading (Compile-time polymorphism)      a1.add(1, 2, 3);       B b1;       //Method overriding (Run-time polymorphism)     b1.print();  } |   **Output:**  addition of a+b is:11  addition of a+b+c is:6  Class B's method is running | | | |