COURSE CODE: CSE 205
COURSE TITLE: OBJECT ORIENTED PROGRAMMING

Prepared by- *Sumaiya Afroz Mila*

Polymorphism

- Polymorphism is a means of giving different meaning to the same message. The meanings are dependent on the type of data being processed.

- Polymorphism can be of two types-

```
                    Polymorphism

        Compile time              Run time
        polymorphism              polymorphism

Function        Operator              Virtual
Overloading     Overloading           Function
```

Polymorphism

- **Polymorphism** is a means of giving different meaning to the same message. The meanings are dependent on the type of data being processed.

- Polymorphism can be of two types-

- Compile time polymorphism:
  - **Function Overloading**: gives the same name different meaning. The name has several interpretations that depend on function selection.
  - **Operator Overloading**: provides different interpretation of C++ operator depending on type of its argument

- Pure/Run time polymorphism: runtime function selection. Related to inheritance & will be covered in later sessions. Function overriding.