Experiment No-08: Function Overriding in C++.

Objectives

- Understand the concept of Function Overriding in C++ .

Example 1: A C++ program to demonstrate function overriding.

```cpp
// C++ program to demonstrate function overriding

#include <iostream>
using namespace std;

class Base {
  public:
   void print() {
       cout << "Base Function" << endl;
   }
};

class Derived : public Base {
  public:
   void print() {
       cout << "Derived Function" << endl;
   }
};

int main() {
    Derived d1;
    d1.print();
    return 0;
}
```

all slide(OOP basics all)
code syntax
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true false
MCQ
Choto Code

**run time polymorphism
**compile time polymorphism

Example 2: Access Overridden Function to the Base Class.

```cpp
// C++ program to access overridden function
// in main() using the scope resolution operator ::

#include <iostream>
using namespace std;

class Base {
  public:
   void print() {
       cout << "Base Function" << endl;
   }
};

class Derived : public Base {
  public:
   void print() {
```

```cpp
        cout << "Derived Function" << endl;
    }
};

int main() {
    Derived d1, d2;
    d1.print();

    // access print() function of the Base class
    d2.Base::print();

    return 0;
}
```

Example 3 : Call Overridden Function From Derived Class.

```cpp
#include <iostream>
using namespace std;

class Base {
   public:
    void print() {
        cout << "Base Function" << endl;
    }
};

class Derived : public Base {
   public:
    void print() {
        cout << "Derived Function" << endl;

        // call overridden function
        Base::print();
    }
};

int main() {
    Derived d1;
    d1.print();
    return 0;
}
```

    *** For better understanding please feel free to search on internet because it is the best source of learning.   *******

[Resource Link 1]
[Resource Link 2]