

Solution Code



/* C++ Program to Overriding member functions using Inheritance */

```
#include<iostream>
using namespace std;
const int len = 20 ;
class Employee
{
    private:
        char F_name[len];
        int I_number ;
        int age ;
        float salary ;
    public:
        void Enter_data(void)
        {
            cout << "\n Enter the first name = " ; cin >> F_name ;
            cout << "\n Enter the identity number = " ; cin >> I_number ;
            cout << "\n Enter the age = " ; cin >> age ;
            cout << "\n Enter the salary = " ; cin >> salary ;
        }
        void Display_data(void)
        {
            cout << "\n Name = " << F_name ;
            cout << "\n Identity Number = " << I_number ;
            cout << "\n Age = " << age ;
            cout << "\n Salary = " << salary ;
        }
}; // End of the base class
```

Solution Code



```
class Engineer : public Employee    ç
{
    private:
        char design[len] ; // S_Engineer, J_Engineer, Ex_Engineer etc

    public:
        void Enter_data( )
        {
            Employee :: Enter_data( ) ; // Overriding of the member
function
            cout << "\n Enter the designation of the Engineer: " ; cin
>> design ;
        }

        void Display_data(void)
        {
            cout << "\n *****Displaying the particulars of the
Engineer**** \n" ;
            Employee :: Display_data( ) ; // Overriding of the member
function
            cout << "\n Designation = " << design ;
        }
}; // End of the derived class

int main(void)
{
    Engineer er ;
    er.Enter_data( ) ;
    er.Display_data( ) ;
return 0;
}
```

