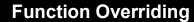


حقوق النشر محفوظة، أسعار الكورسات في المنصة هي أسعار رمزيه جدا، ارجو عدم نشر هذه الوثيقة لان نشرها سيمنعنا من الاستمرار في تقديم العلم للآخرين

ارجو عدم استخدام هذه الوثيقة من غير وجه حق لأنك ستحرم الاف الناس من التعلم

ProgrammingAdvices.com







```
#include <iostream>
using namespace std;
class clsPerson
private:
    int _ID;
    string _FirstName;
    string _LastName;
    string _Email;
    string _Phone;
public:
    clsPerson(int ID, string FirstName, string LastName, string
Email, string Phone)
        _{ID} = ID;
        _FirstName = FirstName;
        _LastName = LastName;
        _Email = Email;
        _Phone = Phone;
    }
    //Read Only Property
    int ID()
    {
        return _ID;
    //Property Set
    void setFirstName(string FirstName)
    {
        _FirstName = FirstName;
    }
    //Property Get
    string FirstName()
    {
        return _FirstName;
    }
```

Function Overriding

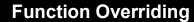


```
//Property Set
void setLastName(string LastName)
{
    _LastName = LastName;
}
//Property Get
string LastName()
    return _LastName;
}
//Property Set
void setEmail(string Email)
    _Email = Email;
}
//Property Get
string Email()
{
    return _Email;
}
//Property Set
void setPhone(string Phone)
    _Phone = Phone;
}
//Property Get
string Phone()
{
    return _Phone;
}
string FullName()
    return _FirstName + " " + _LastName;
}
```





```
void Print()
     {
         cout << "\nInfo:";
cout << "\n_____";</pre>
         cout << "\nID : " << _ID;
         cout << "\nFirstName: " << _FirstName;</pre>
         cout << "\nLastName : " << _LastName;</pre>
         cout << "\nFull Name: " << FullName();
cout << "\nEmail : " << _Email;
cout << "\nPhone : " << _Phone;</pre>
         cout << "\n____\n";</pre>
    }
    void SendEmail(string Subject, string Body)
         cout << "\nThe following message sent successfully to</pre>
email: " << _Email;</pre>
         cout << "\nSubject: " << Subject;</pre>
         cout << "\nBody: " << Body << endl;</pre>
    }
     void SendSMS(string TextMessage)
         cout << "\nThe following SMS sent successfully to phone: "</pre>
<<_Phone;
         cout << "\n" << TextMessage<<endl;</pre>
     }
};
```





```
class clsEmployee : public clsPerson
private:
    string _Title;
    string _Department;
    float _Salary;
public:
    clsEmployee(int ID, string FirstName, string LastName, string
Email, string Phone, string Title, string Department, float Salary)
        : clsPerson(ID, FirstName, LastName, Email, Phone)
    {
        _Title = Title;
        _Department = Department;
        _Salary = Salary;
    }
    //Property Set
    void setTitle(string Title)
    {
        _Title = Title;
    }
    //Property Get
    string Title()
    {
        return _Title;
    }
    //Property Set
    void setDepartment(string Department)
    {
        _Department = Department;
    }
    //Property Get
    string Department()
    {
        return _Department;
    }
```



```
//Property Set
    void setSalary(float Salary)
    {
        _Salary = Salary;
    }
    //Property Get
    float Salary()
    {
        return _Salary;
    }
    void Print()
    {
        cout << "\nInfo:";</pre>
        cout << "\n_____";
        cout << "\nID : " << ID();
        cout << "\nFirstName : " << FirstName();</pre>
        cout << "\nLastName : " << LastName();</pre>
        cout << "\nFull Name : " << FullName();</pre>
        cout << "\nEmail : " << Email();
cout << "\nPhone : " << Phone();</pre>
        cout << "\nTitle : " << _Title;</pre>
        cout << "\nDepartment: " << _Department;</pre>
        cout << "\nSalary : " << _Salary;</pre>
        cout << "\n____\n";
    }
};
int main()
{
    clsEmployee Employee1 ( 10, "Mohammed", "Abu-
Hadhoud", "A@a.com", "8298982", "CEO", "ProgrammingAdvices", 5000);
    Employee1.Print();
    system("pause>0");
    return 0;
}
```