

Solution Code

```
/* C++ Program for Enter Patient details using Inheritance */
```

```
#include <iostream>
using namespace std;
const int LEN = 80;
class doctor
{
private:
    char name[LEN];
    char degree[LEN];
public:
    void getedu()
    {
        cout<<"Enter the Doctor Name : ";
        cin>> name;
        cout<<"Enter Doctorate Degree : ";
        cin>>degree;
    }
    void showedu()
    {
        cout<<"\nDoctor Name : "<<name;
        cout<<"\nDoctorate Degree : "<<degree;
    }
};
```

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```
class patient
{
    private:
        char name[LEN];
        char number [LEN];

    public:
        void getdata()
        {
            cout<<"\nEnter Patient Name : ";
            cin>>name;
            cout<<"\nEnter Bed Number : ";
            cin>>number;
        }
        void showdata()
        {
            cout<<"\nPatient Name : "<<name;
            cout<<"\nBed Number : "<<number;
        }
};
```

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```
class department
{
    private:
        char ward [LEN] ;
    public:
        void getdata()
        {
            cout<<"\nEnter Ward Name : ";
            cin>>ward;
        }
        void showdata()
        {
            cout<<"\nWard Name : "<<ward;
        }
};

class amount
{
    private:
        int dues;
        patient pat;
        doctor doc;
        department dept;
    public:
        void getdata()
        {
            pat.getdata();
            dept.getdata();
            doc.getedu();
            cout<<"Enter Dues of Patient : ";
            cin>>dues; };
};
```

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```
        }void showdata()
        {
            pat.showdata();
            dept.showdata();
            doc.showedu();
            cout<<"\nTotal Dues of Patient : "<<dues;
        }
};
```

```
int main()
{
    amount a1;

    cout<<"\nEnter Data ";
    a1.getdata();
    cout<<"\nInserted Data is : \n";
    a1.showdata();
    return 0;
}
```

