```cpp
#include <iostream>

using namespace std;

class cell_phone
  {
  public:
  int price;
  string name;
  void SMS(string Message)
  {
    cout<<"write your Message:"<<Message;
    cout<<endl<<"Message send"<<endl;
  }


  void Phone_dial(double p_number,string name){
     cout<<"call connected  to "<<name<<endl;
  }


  void create_contact(double p_number,string name){
    cout<<"contact saved "<<name<<endl;
  }
  void MMS(string Message)
  {
    cout<<"enter the Message:"<<Message;
    cout<<endl<<"MMS send"<<endl;
  }


  void play_Video(string video){
```

```cpp
        cout<<"video started!"<<video<<endl;

    }



};


class samsung:public cell_phone{
    public:
    void samsung_pay(){
        cout<<"welcome to samsungpay here you can pay your bills"<<endl;

    }


    void aboutphone(){
        cout<<"samsung has dual sim and memory card slot available"<<endl;

    }
};


class vivo:public cell_phone{
    public:
    void vivo_cloud(){
        cout<<"welcome to vivo cloud service of vivo"<<endl;

    }


    void about_vivo(){
        cout<<"vivo has 8 GB of RAM and 128 GB of memory "<<endl;

    }
};


int main()
```

```cpp
{
    samsung s;
    s.name="samsung j7";
    s.price=15000;
    cout<<"NAME: "<<s.name<<" PRICE: "<<s.price<<endl;
    s.samsung_pay();

    vivo v;
    v.name="vivo 78";
    v.price=10000;
    cout<<"Name: "<<v.name<<"PRICE: "<<v.price<<endl;
    v.about_vivo();

    s.Phone_dial(34567643898,"abc");
    v.play_Video("video playing...");


    return 0;
}
```