



SEMESTRE MAYO- AGOSTO

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**NRC:** 14575

**Activity:** HW13 - InheritanceOtherlanguage

Main run

```
7 {  
8     0 references  
9     static void Main(string[] args)  
10    {  
11        Console.WriteLine("Inheritance Classes");  
12        House house1 = new House("av Inca", 160,true,3,false);  
13        Console.WriteLine("House: ");  
14        house1.prinhHouse();  
15  
16        Apartment apartemnt1 = new Apartment("av Shyris", 350,true,"Sol del Este",27);  
17        Console.WriteLine("\n\nApartment: ");  
18        apartemnt1.printApartment();  
19    }  
20 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Frederick\Desktop\Repo\CSInheritance> dotnet run

Inheritance Classes

House:  
Address : av Inca, Rent Cost: 160, Is leased? True, Floors : 3, Has garage? False

Apartment:  
Address : av Shyris, Rent Cost: 350, Is leased? True, At building: Sol del Este, Door number : 27

PS C:\Users\Frederick\Desktop\Repo\CSInheritance>

Parent Class

```
5 references  
public class LivingPlace  
{  
    2 references  
    public string Address{get;set;}  
    2 references  
    public float RentCost{get;set;}  
    2 references  
    public bool IsLeased{get;set;}  
  
    2 references  
    public LivingPlace(string adress, float rentCost,bool isLeased)  
    {  
        Address=adress;  
        RentCost=rentCost;  
        IsLeased=isLeased;  
    }  
  
    2 references  
    public void printPlace()  
    {  
        Console.Write(" Address : " + Address + ", Rent Cost: " + RentCost + ", Is leased? " + IsLeased);  
    }  
}
```

Child classes



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```
3 references
public class House:LivingPlace
{
    2 references
    public int Floor{get;set;}
    2 references
    public bool HasGarage{get;set;}

    1 reference
    public House(string adress, float rentCost,bool isLeased,int floor, bool hasGarage):base(adress, rentCost, isLeased)
    {
        Floor=floor;
        HasGarage=hasGarage;
    }

    1 reference
    public void printHouse()
    {
        printPlace();
        Console.WriteLine(", Floors : " + Floor + ", Has garage? " + HasGarage);
    }
}

2 references
public class Apartment:LivingPlace
{
    2 references
    public string BuildingBelonging{get;set;}
    2 references
    public int DoorNumber{get;set;}

    1 reference
    public Apartment(string adress, float rentCost,bool isLeased, string buildingBelonging, int doorNumber):base(adress, rentCost, isLeased)
    {
        BuildingBelonging=buildingBelonging;
        DoorNumber=doorNumber;
    }

    1 reference
    public void printApartment()
    {
        printPlace();
        Console.WriteLine(", At building: " + BuildingBelonging + ", Door number : " + DoorNumber);
    }
}
```