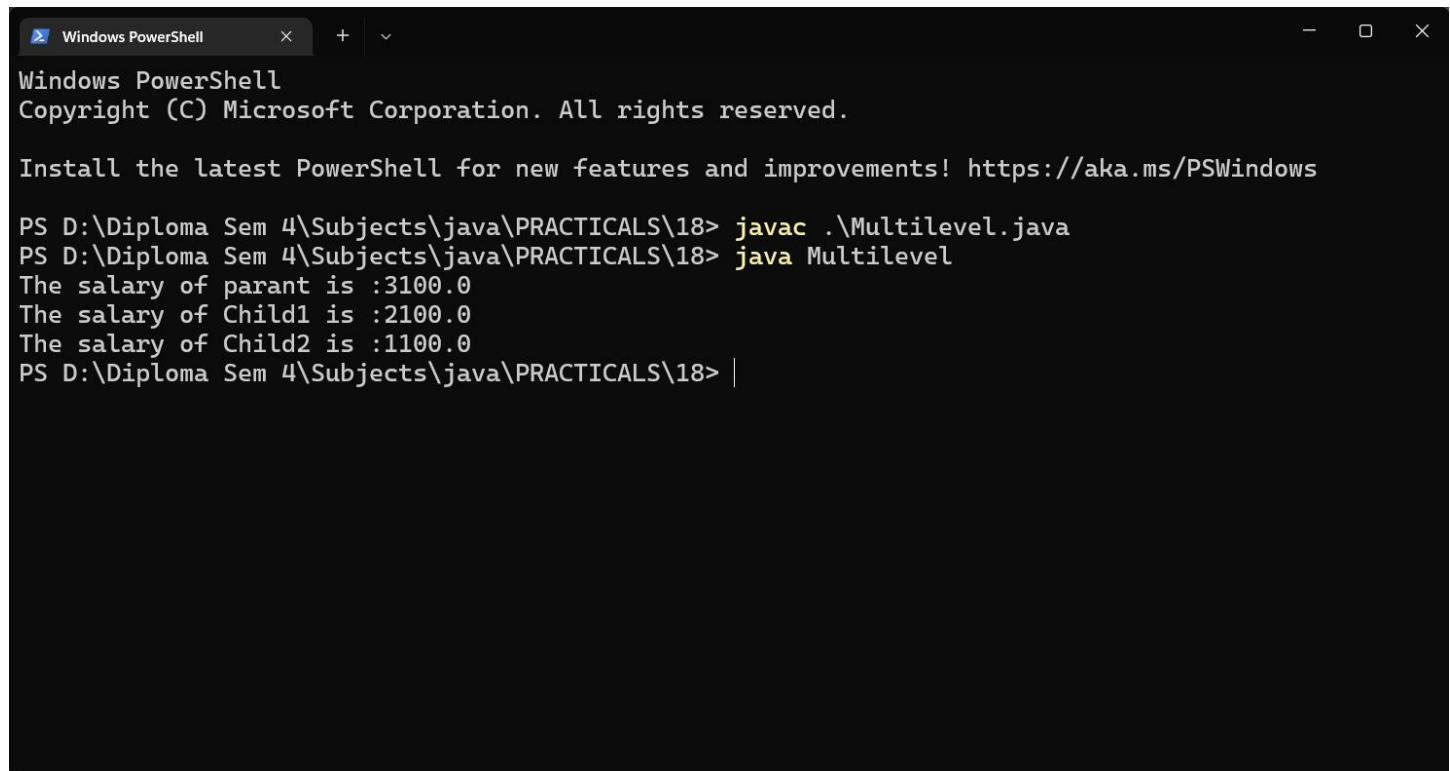# Practical 18   :

Code :

```
class Salary1{
    float s = 3100;
}
class Salary2 extends Salary1{
    float s2 = 2100;
}
class Salary3 extends Salary2{
    float s3=1100;
}
public class  Multilevel extends Salary1{

    public static void main(String[] args) {
        Salary3 m = new Salary3();
        System.out.println("The salary of parant is :"+m.s);
        System.out.println("The salary of Child1 is :"+m.s2);
        System.out.println("The salary of Child2 is :"+m.s3);
    }
}
```

Output :

```
Windows PowerShell              ×    +   ∨                                    —   □   ×

Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\18> javac .\Multilevel.java
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\18> java Multilevel
The salary of parant is :3100.0
The salary of Child1 is :2100.0
The salary of Child2 is :1100.0
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\18> |
```
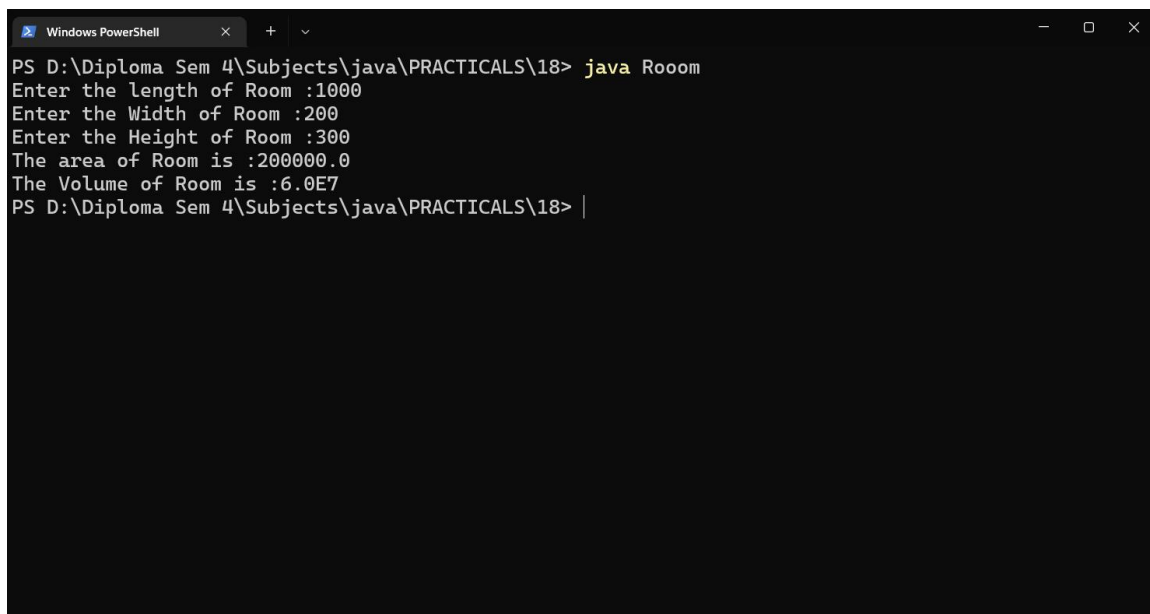
Code :

```java
import java.util.Scanner;
class Area{
    float area(Float a , Float b){
        return a*b;
    }
}
class Volume extends Area  {
    float volume(Float a,Float b, Float c){
        return a*b*c;
    }
}
public class Rooom {
    public static void main(String[] args) {
        Volume v = new Volume();
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the length of Room :");
        float l = sc.nextInt();
        System.out.print("Enter the Width of Room :");
        float w = sc.nextInt();
        System.out.print("Enter the Height of Room :");
        float h= sc.nextInt();
        System.out.println("The area of Room is :"+v.area(l, w));
        System.out.println("The Volume of Room is :"+v.volume(l, w,h));
        sc.close();
    }
}
```

Output :

```
Windows PowerShell                                                        —  □  ×
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\18> java Rooom
Enter the length of Room :1000
Enter the Width of Room :200
Enter the Height of Room :300
The area of Room is :200000.0
The Volume of Room is :6.0E7
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\18>
```