

**HIERARCHICAL INHERITANCE IN JAVA**

```
import java.io.*;
class A
{
int rno;
void setrno(int a)
{
rno=a;
}
void show()
{
System.out.println("rno is "+rno);
}
}
class B extends A
{
int s1;
void setmarks(int x)
{
s1=x;
}
void show1()
{
System.out.println("subject marks "+s1);
}
}
class C extends A
{
int l1;
void getlab(int y)
{
l1=y;
}
void show2()
{
System.out.println("lab marks are "+l1);
}
}
class hirarc
{
public static void main(String args[])
{
B b=new B();
b.setrno(83);
b.setmarks(40);
C c=new C();
c.getlab(50);
b.show();
b.show1();
c.show2();
}
}
```

}