/* A program in Java to show concept of multilevel inheritance*/

```java
import static java.lang.Math.*;

class A
{
        private int num1,num2,sum;
        public void set(int x,int y)
        {
                num1=x;
                num2=y;
                sum=num1+num2;
        }

        public int get1()
        {
                return(sum);
        }
}

class B extends A
{
        public void display()
        {
        System.out.println("sum of two numbers is"+get1());
        }
}

class C extends B
{
        private double sqr;
        public void sqrs()
        {
                System.out.println("square root of sum is"+sqrt(get1()));
        }
}
```
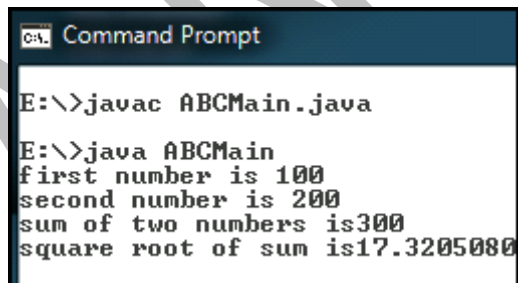
```java
class ABCMain
{
        public static void main(String args[])
        {
                C obj1=new C();
                obj1.set(100,200);
                System.out.println("first number is 100");
                System.out.println("second number is 200");
                obj1.display();
                obj1.sqrs();
        }
}
```



```
Command Prompt

E:\>javac ABCMain.java

E:\>java ABCMain
first number is 100
second number is 200
sum of two numbers is300
square root of sum is17.3205080
```