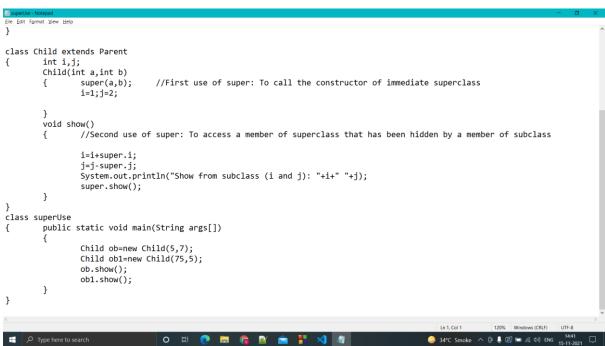
LAB 8: DEMONSTRATE USAGE OF KEYWORD SUPER AND FINAL

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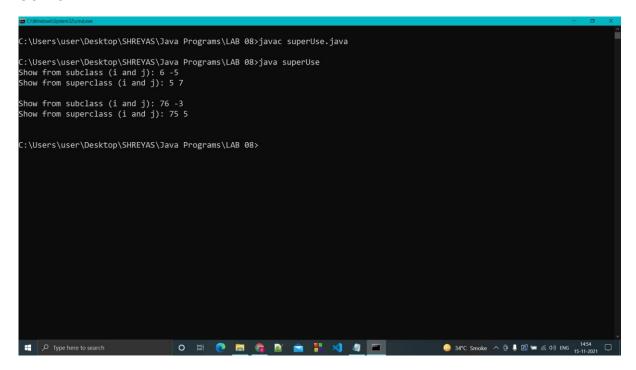
Q.1 Demonstrate any two uses of keyword super.

CODE:

```
public int i,j;
       Parent(int a,int b)
              i=a;
              j=b;
       void show()
              System.out.println("Show from superclass (i and j): "+i+" "+j+"\n");
       }
class Child extends Parent
       int i,j;
       Child(int a,int b)
              super(a,b);
                             //First use of super: To call the constructor of immediate superclass
              i=1;j=2;
       void show()
              //Second use of super: To access a member of superclass that has been hidden by a member of subclass
              i=i+super.i;
              j=j-super.j;
              System.out.println("Show from subclass (i and j): "+i+" "+j);
              super.show();
       }
```



OUTPUT:



Q.2 Demonstrate the importance of keyword final in inheritance and method overriding.

CODE:

```
class One
       //Methods declared as final cannot be overriden
       final public void skill()
               System.out.println("Skills are required to access this." );
}
//classes declared as final cannot be inherited
final class Two extends One
       //Show error as method cannot be overriden
       void skill()
       {
               System.out.println("Cannot access");
}
class Three extends Two
{
        void skill()
               System.out.println("Cannot access it.");
       {
               super.skill();
                                                                                 Type here to search
       void skill()
               System.out.println("Cannot access");
}
class Three extends Two
       void skill()
               System.out.println("Cannot access it.");
               super.skill();
//final
class finalUse
        public static void main(String args[])
               Three ob=new Three();
               ob.skill();
```

OUTPUT

