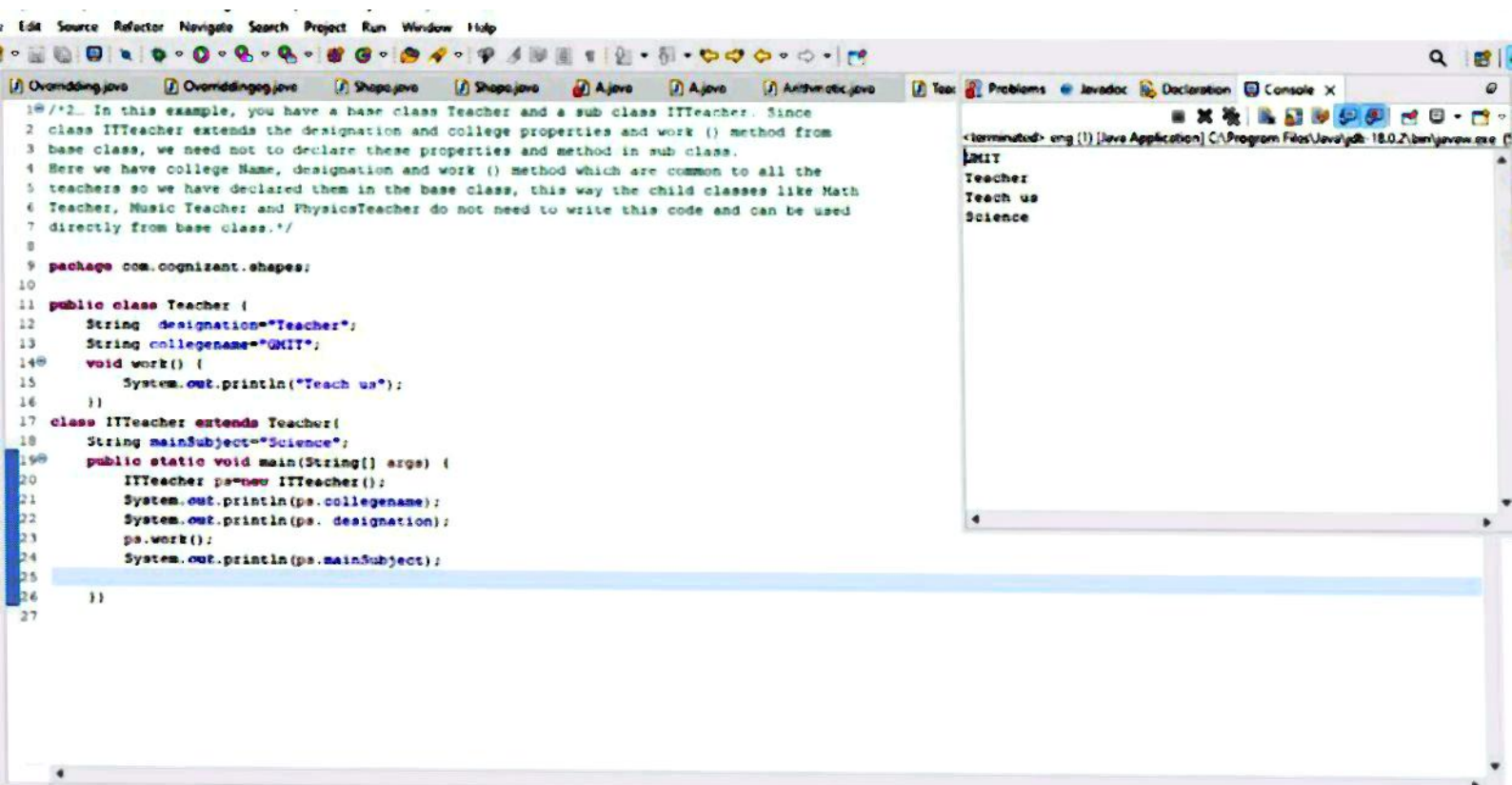


```
File Edit Source Refactor Navigate Search Project Run Window Help
Overriding.java Overridingg.java Shape.java Shape.java A.java A.java Arithmetic.java Test
1 /*_Consider a scenario where Bank is a class that provides functionality to get the rate
2 of interest. However, the rate of interest varies according to banks. For example, SBI,
3 ICICI and AXIS banks could provide 8%, 7%, and 9% rate of interest*/
4
5
6 package com.cognizant.shapes;
7
8 public class Bank { //parent class
9     int getRateofinterest() {
10         return 0;})
11 //child classes
12 class SBI extends Bank{
13     int getRateofinterest() {
14         return 8;})
15 }
16 class ICICI extends Bank{
17     int getRateofinterest() {
18         return 7;})
19 class AXIS extends Bank{
20     int getRateofinterest() {
21         return 9;
22     })
23
24 class MyClass{
25     public static void main(String[] args) {
26         SBI s=new SBI();
27         ICICI i=new ICICI();
28         AXIS a=new AXIS();
29         System.out.println("Rate of interest of SBI: "+s.getRateofinterest());
30         System.out.println("Rate of interest of AXIS: "+a.getRateofinterest());
31         System.out.println("Rate of interest of ICICI: "+i.getRateofinterest());
32     })
33 }
```

Problems Javadoc Declaration Console X

<terminated> eng (1) [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (

Rate of interest of SBI: 8  
Rate of interest of AXIS: 9  
Rate of interest of ICICI: 7



```
Edit Source Refactor Navigate Search Project Run Window Help
Ovridding.java Ovriddingg.java Shape.java Shape.java A.java A.java X
1 /*3. Class A serves as a base class for the derived class B, which in turn
2 serves as a base class for the derived class C. (Which type Of Inheritance
3 explain with an example)*/
4 //it is the example of MULTILEVEL inheritance.....
5 package com.cognizant.shapes;
6 public class A {
7     int a,b,c;
8     void add() {
9         a=2;b=8;
10        c=a+b;
11        System.out.println("sum of two number:"+c); }
12    void sub() {
13        a=400;b=100;
14        c=a-b;
15        System.out.println("sub of two number:"+c); }
16    class B extends A{
17        void multi() {
18            a=2;b=4;
19            c=a*b;
20            System.out.println("multiplication of two number:"+c); }
21        void div() {
22            a=2;b=4;
23            c=a/b;
24            System.out.println("multiplication of two number:"+c); }
25        class C extends B{
26            void rem() {
27                a=10;b=30;c=a%b;
28                System.out.println("remainder of two no:"+c); }
29        }
30        class Test{
31            public static void main(String[] args) {
32                C z=new C();
33                z.add(); z.sub(); z.multi(); z.div(); z.rem();
34            }
35        }
36    }
37}
```

Problems Javadoc Declaration Console X

```
<terminated> org (1) [Java Application] C:\Program Files\Udaysoft\18.0.2\bin\javaw.exe
sum of two number:10
sub of two number:300
multiplication of two number:8
multiplication of two number:0
remainder of two no:10
```