

CSE111:	Programming	Language	ΙΙ	(Lab)
	Summer	2025		
	Lab Exa	m - 2		



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Duration: 30 Minutes

Question 1 [CO2] [10 Points]

Design the **Soldier** class so that the following Tester class generates the expected output

Design the Soluter class so that the following reste	The state generated the expected earput
Driver Code	Outputs
<pre>public class Tester2{</pre>	Name: Hannibal
<pre>public static void main(String[] args){</pre>	Rank: 2
Soldier sld1 = new Soldier();	earning: 20
Soldier sld2 = new Soldier();	No work assigned.
Soldier sld3 = new Soldier();	
,,,,	Name: Scipio
<pre>sld1.setInfo("Hannibal", 2);</pre>	Rank: 1
<pre>sld2.setInfo("Caeser");</pre>	earning: 10
<pre>sld3.setInfo("Scipio");</pre>	No work assigned.
<pre>System.out.println(sld1.giveInfo());</pre>	1
<pre>System.out.println(sld3.giveInfo());</pre>	Name: Hannibal
	Rank: 2
System.out.println("1");	earning: 26
	Work: Patrol the borders
<pre>sld1.addWork("Patrol the borders");</pre>	Defend the city
<pre>sld1.addWork("Defend the city");</pre>	-
	2
<pre>System.out.println(sld1.giveInfo());</pre>	Cannot add more work
	Name: Hannibal
System.out.println("2");	Rank: 2
<pre>sld1.addWork("Conduct drills");</pre>	earning: 32
<pre>sld1.addWork("Train new recruits");</pre>	Work: Patrol the borders
<pre>sld1.addWork("Maintain equipment");</pre>	Defend the city
	Conduct drills
<pre>System.out.println(sld1.giveInfo());</pre>	Train new recruits
System.out.println("3");	3
sld3.addWork("Lead the cavalry");	Name: Scipio
	Rank: 1
<pre>System.out.println(sld3.giveInfo());</pre>	earning: 13
	Work: Lead the cavalry
<pre>System.out.println("4");</pre>	
<pre>System.out.println(sld2.giveInfo());</pre>	4
}	Name: Caeser
}	Rank: 1
	earning: 10
	No work assigned.
	No work assigned.