

# LAB 1 SCD TASK

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### BSE-5B

## Task 1 Output

The screenshot displays the Visual Studio Code interface with a Java project named 'SDC LAB'. The Explorer panel on the left shows the project structure, including files like 'lab 1 task.docx', 'Lab 1.docx', 'Student.class', 'test.class', 'test.java', 'test2.java', 'test3.java', and 'test4.java'. The main editor window shows the 'test.java' file with the following code:

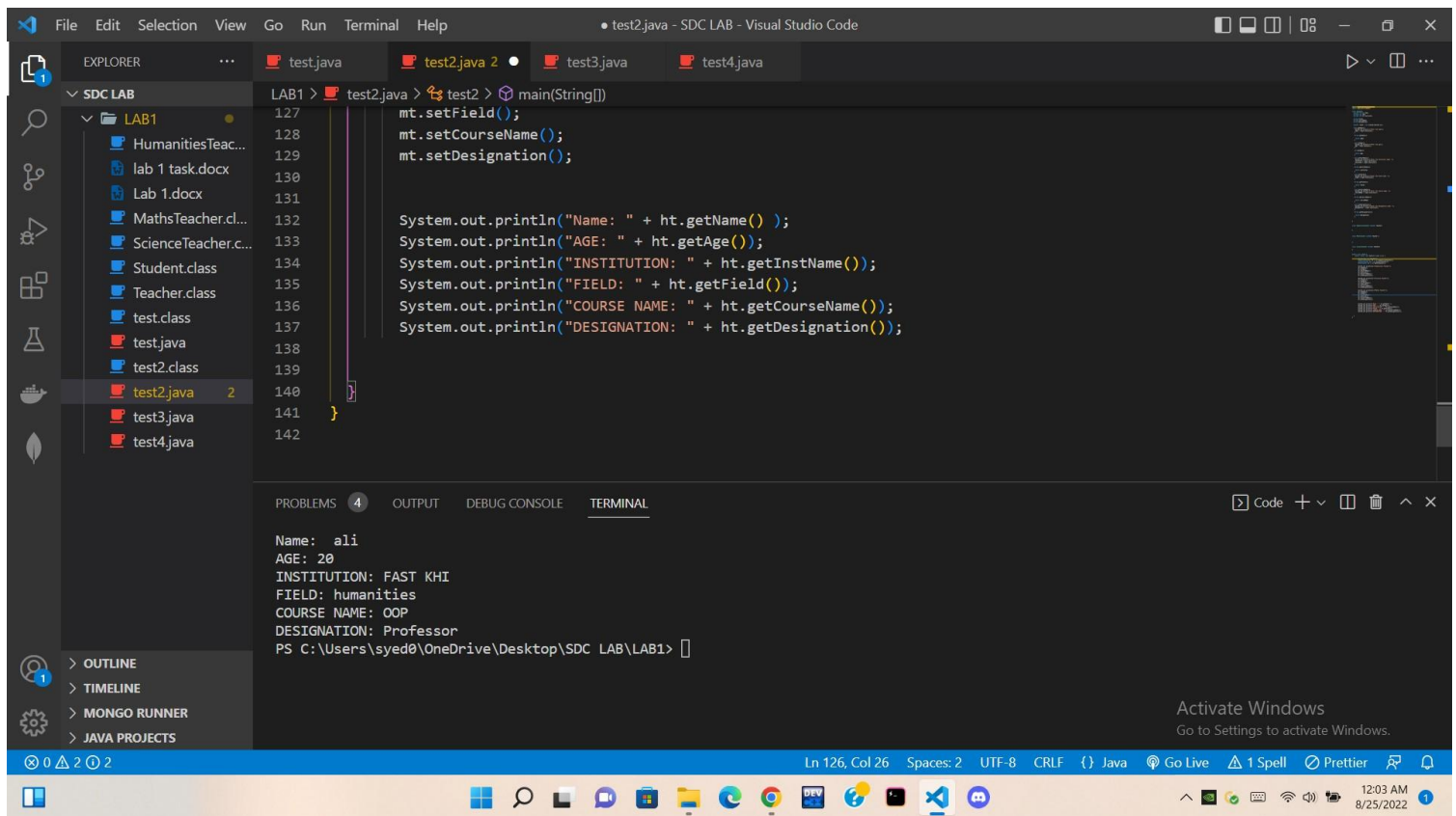
```
1  
2  
3 class Student{  
4  
5     private String name;  
6     private int ID;  
7     private String depName;  
8     private int arr[];  
9     private int total;  
10
```

The TERMINAL panel at the bottom shows the output of the program, which prompts the user to enter an ID and marks for six subjects. The output is as follows:

```
SE  
Enter the ID:  
1052  
Enter the marks for subjects out of 100:  
Subject : 1  
78  
Subject : 2  
89  
Subject : 3  
76  
Subject : 4  
90  
Subject : 5  
88  
Subject : 6  
76  
NAME: Hassan  
DEP NAME: SE  
ID: 1052  
PERCENTAGE: 82.0  
PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1>
```

The status bar at the bottom indicates the current line and column (Ln 10, Col 1), the file encoding (UTF-8), and the file type (Java). The Windows taskbar is visible at the bottom of the screen, showing the time as 11:56 PM on 8/24/2022.

## Task 2 Output

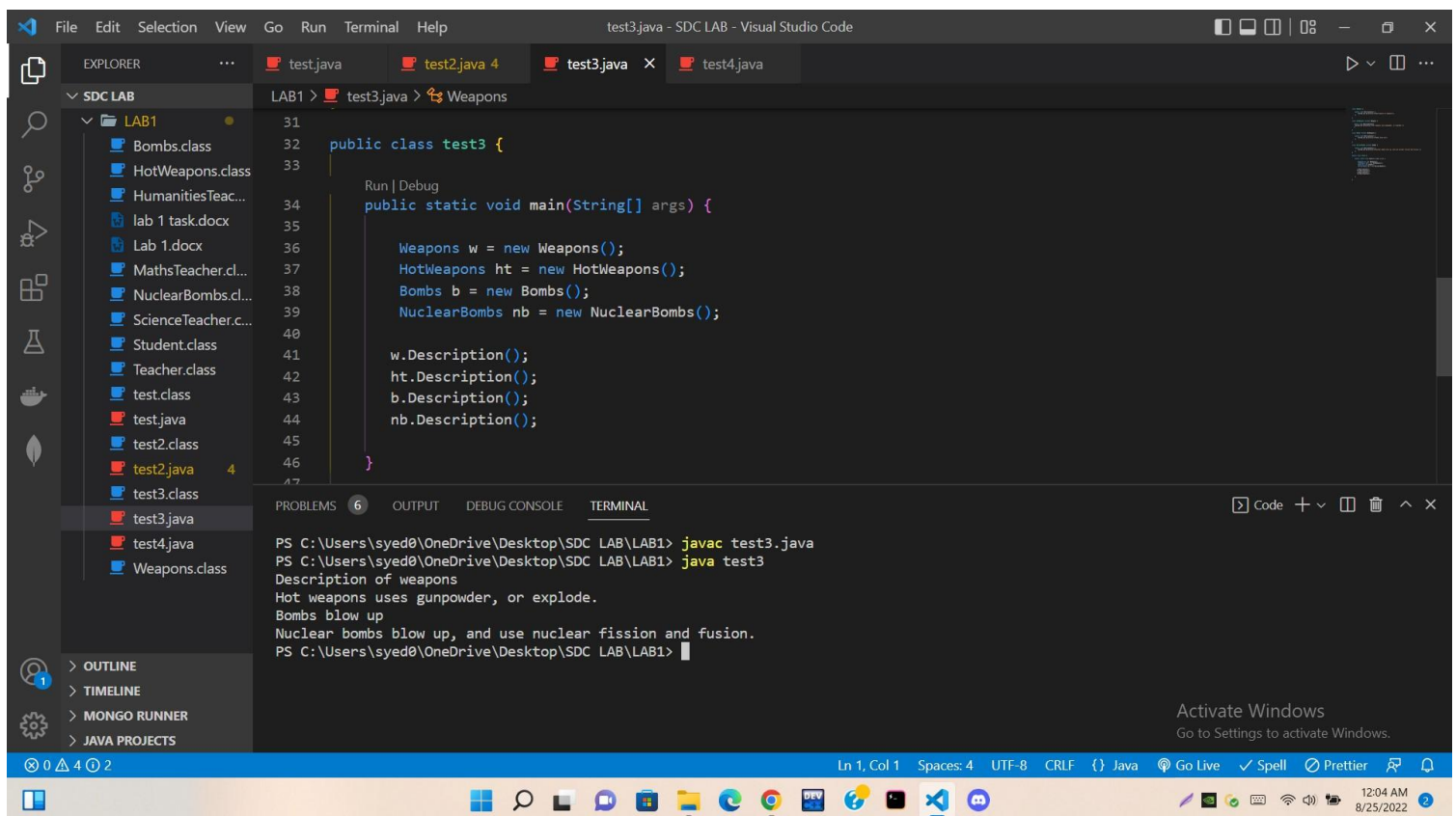


```
LAB1 > test2.java > test2 > main(String[])
127
128 mt.setField();
129 mt.setCourseName();
130 mt.setDesignation();
131
132
133
134
135
136
137
138
139
140
141 }
142

System.out.println("Name: " + ht.getName() );
System.out.println("AGE: " + ht.getAge());
System.out.println("INSTITUTION: " + ht.getInstName());
System.out.println("FIELD: " + ht.getField());
System.out.println("COURSE NAME: " + ht.getCourseName());
System.out.println("DESIGNATION: " + ht.getDesignation());

Name: ali
AGE: 20
INSTITUTION: FAST KHI
FIELD: humanities
COURSE NAME: OOP
DESIGNATION: Professor
PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1>
```

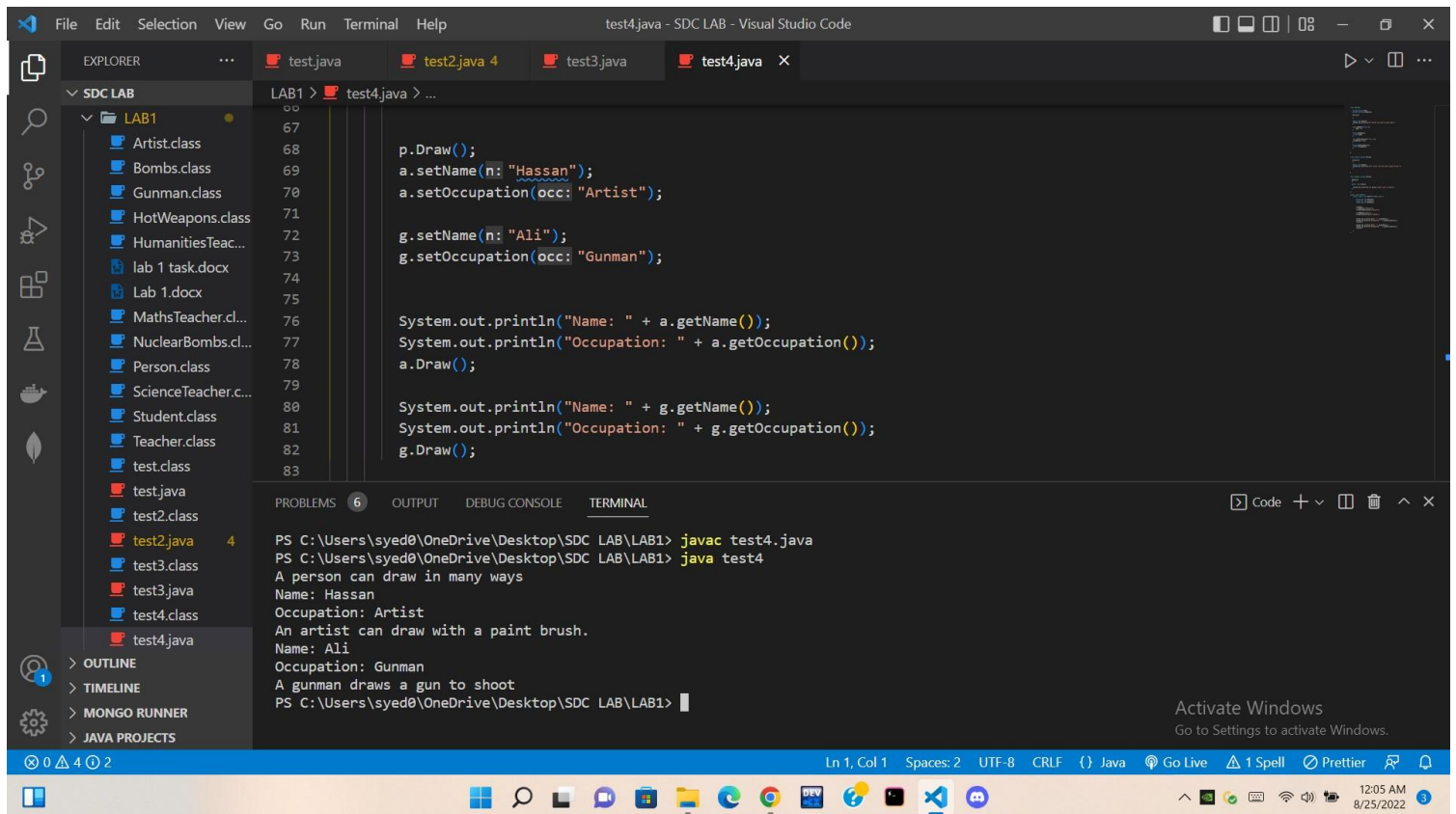
## Task 3 Output



```
LAB1 > test3.java > Weapons
31
32 public class test3 {
33
34 Run | Debug
35 public static void main(String[] args) {
36
37 Weapons w = new Weapons();
38 HotWeapons ht = new HotWeapons();
39 Bombs b = new Bombs();
40 NuclearBombs nb = new NuclearBombs();
41
42 w.Description();
43 ht.Description();
44 b.Description();
45 nb.Description();
46
47 }
48

PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1> javac test3.java
PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1> java test3
Description of weapons
Hot weapons uses gunpowder, or explode.
Bombs blow up
Nuclear bombs blow up, and use nuclear fission and fusion.
PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1>
```

## Task 4 Output



test4.java - SDC LAB - Visual Studio Code

EXPLORER

- SDC LAB
  - LAB1
    - Artist.class
    - Bombs.class
    - Gunman.class
    - HotWeapons.class
    - HumanitiesTeac...
    - lab 1 task.docx
    - Lab 1.docx
    - MathsTeacher.cl...
    - NuclearBombs.cl...
    - Person.class
    - ScienceTeacher.c...
    - Student.class
    - Teacher.class
    - test.class
    - test.java
    - test2.class
    - test2.java 4
    - test3.class
    - test3.java
    - test4.class
    - test4.java

LAB1 > test4.java > ...

```
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83

p.Draw();
a.setName(n: "Hassan");
a.setOccupation(occ: "Artist");

g.setName(n: "Ali");
g.setOccupation(occ: "Gunman");

System.out.println("Name: " + a.getName());
System.out.println("Occupation: " + a.getOccupation());
a.Draw();

System.out.println("Name: " + g.getName());
System.out.println("Occupation: " + g.getOccupation());
g.Draw();
```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1> javac test4.java  
PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1> java test4  
A person can draw in many ways  
Name: Hassan  
Occupation: Artist  
An artist can draw with a paint brush.  
Name: Ali  
Occupation: Gunman  
A gunman draws a gun to shoot  
PS C:\Users\syed0\OneDrive\Desktop\SDC LAB\LAB1> |

Activate Windows  
Go to Settings to activate Windows.

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF {} Java Go Live 1 Spell Prettier

0 4 2

12:05 AM 8/25/2022