

Java Lab Report

Object Oriented Programming Language CSE 152



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Section – 2C1

The screenshot shows the NetBeans IDE interface. The left pane displays the source code for `Java_lab_54_2A.java`. The code includes comments for the author and ID, a package declaration, and a `main` method that prints the character 'W'. The right pane shows the output of the program, which is 'W'. The status bar at the bottom indicates the system temperature is 18°C and the time is 10:24 PM.

```
//Sumaia Bintey Ismail
//ID:0432320005101103

//Write a java program to print a char variable

package com.java_lab_54_2a;

public class Java_lab_54_2A {

    public static void main(String[] args) {
        char ch = 'W' ;
        System.out.println(ch);
    }
}
```

cd G:\Sumaia\OOP Lab\Java_lab_54_2A; J
W

The screenshot shows the NetBeans IDE interface. The left pane displays the source code for `Java_lab_54_2B.java`. The code includes comments for the author and ID, a package declaration, and a `main` method that checks if the variable `a` is positive or negative and prints the corresponding message. The right pane shows the output of the program, which is 'a is a positive number'. The status bar at the bottom indicates the system temperature is 18°C and the time is 10:26 PM.

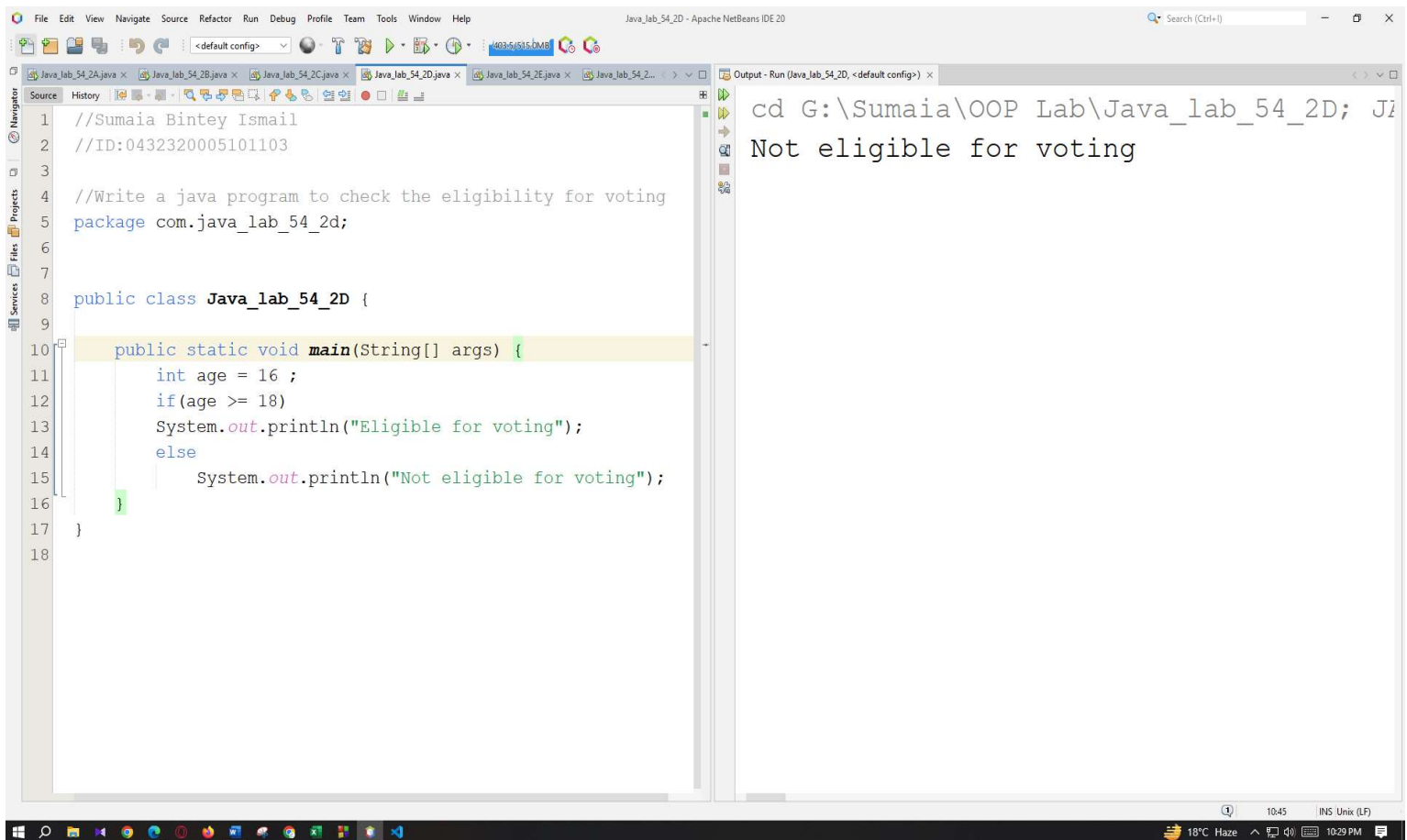
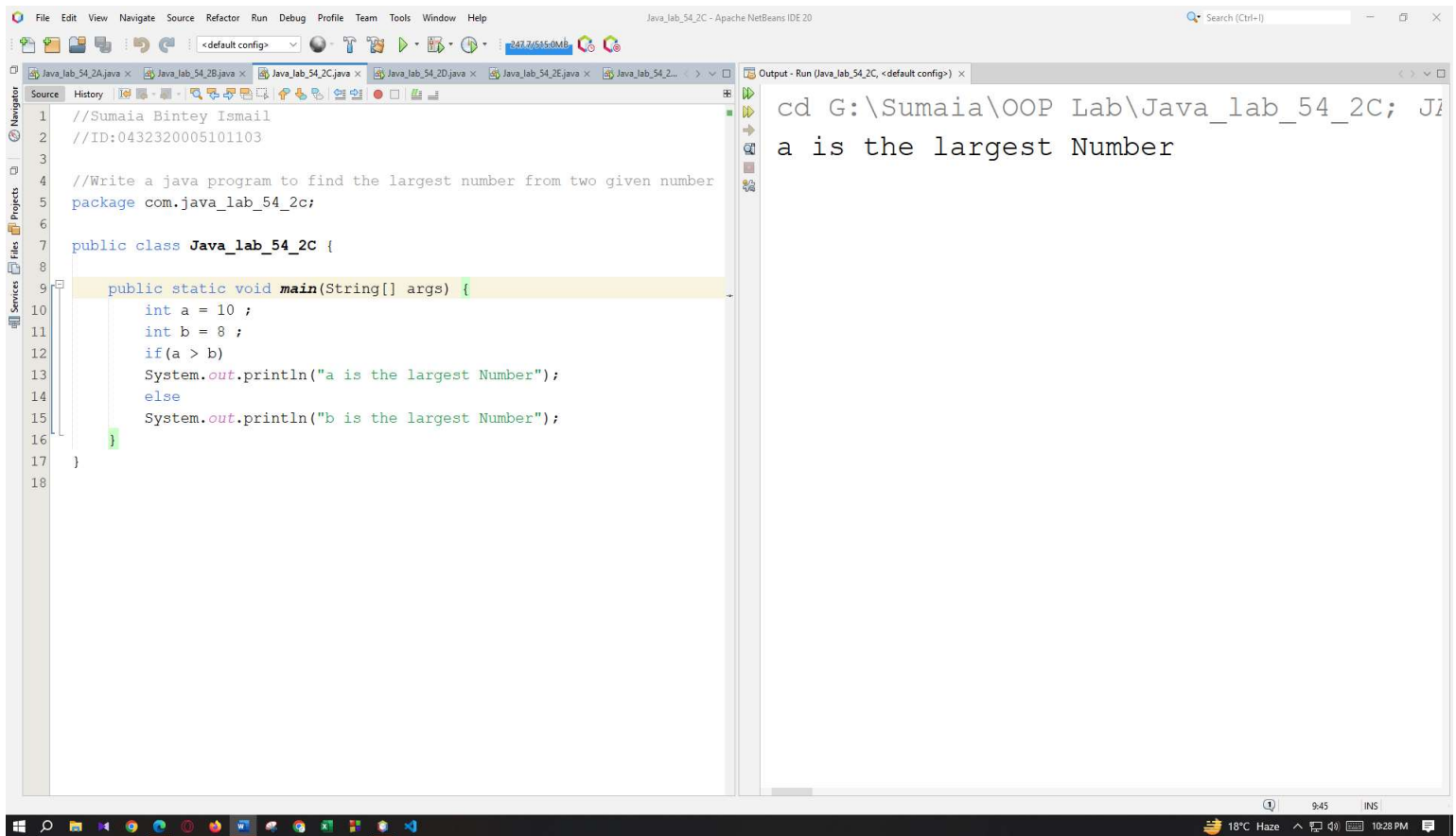
```
//Sumaia Bintey Ismail
//ID:0432320005101103

//Write a java program to find a number, is it positive or negative
package com.java_lab_54_2b;

public class Java_lab_54_2B {

    public static void main(String[] args) {
        int a = 8 ;
        if(a > 0)
            System.out.println("a is a positive number");
        else
            System.out.println("a is a negative number");
    }
}
```

cd G:\Sumaia\OOP Lab\Java_lab_54_2B; J
a is a positive number



The screenshot shows the NetBeans IDE with a Java file named `Java_lab_54_2E.java`. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 /*Write a java program to print the grading system as below
5 i) 80-100 A+
6 ii) 70-49 A
7 iii) 60-69 B
8 iv) 50-59 C
9 v) 00-49 F*/
10
11 package com.java_lab_54_2e;
12
13 public class Java_lab_54_2E {
14
15     public static void main(String[] args) {
16         int number = 69 ;
17         if(80<= number && number >=100)
18             System.out.println("Grade is A+");
19         else if(70<= number && number >=79)
20             System.out.println("Grade is A");
21         else if(60<= number && number >=69)
22             System.out.println("Grade is B");
23         else if(50<= number && number >=59)
24             System.out.println("Grade is C");
25         else if(0<= number && number >=49)
26             System.out.println("Grade is F");
27     }
28 }
29
```

The output window on the right shows the command `cd G:\Sumaia\OOP Lab\Java_lab_54_2E; J` and the result `Grade is B`.

The screenshot shows the NetBeans IDE with a Java file named `Java_lab_54_2F.java`. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 //Write a java program to print the following series
5 //1 2 3 4 -----10
6 package com.java_lab_54_2f;
7
8
9 public class Java_lab_54_2F {
10
11     public static void main(String[] args) {
12         for(int i = 1; i <= 10; i++)
13             System.out.print(i+" ");
14     }
15 }
16
```

The output window on the right shows the command `cd G:\Sumaia\OOP Lab\Java_lab_54_2F; J` and the result `1 2 3 4 5 6 7 8 9 10`.

The screenshot shows the NetBeans IDE with a Java file named `Java_lab_54_2G.java`. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 //Write a java program to print the following series
5 //5 10 15 20 -----50
6
7 package com.java_lab_54_2g;
8
9 public class Java_lab_54_2G {
10
11     public static void main(String[] args) {
12         int n = 5 ;
13         for(int i = 1;i <= 10;i++)
14             System.out.print(i*n + " ");
15     }
16 }
17
```

The output window shows the command `cd G:\Sumaia\OOP Lab\Java_lab_54_2G; J` and the resulting series: `5 10 15 20 25 30 35 40 45 50`.

The screenshot shows the NetBeans IDE with a Java file named `Java_lab_54_2H.java`. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 //Write a java program to print the following series
5 //100 98 96-----80
6 package com.java_lab_54_2h;
7
8 public class Java_lab_54_2H {
9
10     public static void main(String[] args) {
11         for(int i = 100;i >=80;i=i-2)
12             System.out.print(i+" ");
13     }
14 }
15
```

The output window shows the command `cd G:\Sumaia\OOP Lab\Java_lab_54_2H; J` and the resulting series: `100 98 96 94 92 90 88 86 84 82 80`.

The screenshot shows the Apache NetBeans IDE with a Java file named `Java_lab_54_2I.java`. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 //Write a java program to print the following series
5 //-10 -8 -6 ----6 8 10
6
7 package com.java_lab_54_2i;
8
9 public class Java_lab_54_2I {
10
11     public static void main(String[] args) {
12         for(int i = -10;i <=10;i=i+2)
13             System.out.print(i + " ");
14     }
15 }
16
```

The output window shows the result of running the program:

```
cd G:\Sumaia\OOP Lab\Java_lab_54_2I; J
-10 -8 -6 -4 -2 0 2 4 6 8 10
```

The screenshot shows the Apache NetBeans IDE with a Java file named `Java_lab_54_2J.java`. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 //Write a java program to print the following series
5 //1 2 4 5 7 8 10
6 package com.java_lab_54_2j;
7
8 public class Java_lab_54_2J {
9
10     public static void main(String[] args) {
11         for(int i = 1;i<=10;i++){
12             if(i%3!=0)
13                 System.out.print(i+ " ");
14         }}
15 }
16
```

The output window shows the result of running the program:

```
cd G:\Sumaia\OOP Lab\Java_lab_54_2J; J
1 2 4 5 7 8 10
```


The screenshot shows the NetBeans IDE with the file `Java_lab_54_2K.java` open. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 //Write a java program to print the following series
5 //12* 45* 78* 10
6
7 package com.java_lab_54_2k;
8
9 public class Java_lab_54_2K {
10
11     public static void main(String[] args) {
12         for(int i = 1;i <=10;i++){
13             if(i%3!=0)
14
15                 System.out.print(i);
16             else
17                 System.out.print("* ");
18         }
19     }
20 }
21
```

The output window shows the command `cd G:\Sumaia\OOP Lab\Java_lab_54_2K; J` and the resulting series: `12* 45* 78* 10`.

The screenshot shows the NetBeans IDE with the file `Java_lab_54_2L.java` open. The code is as follows:

```
1 //Sumaia Bintey Ismail
2 //ID:0432320005101103
3
4 //Write a java program to print the following series
5 /* ***
6  ***
7  ***
8  */
9
10 package com.java_lab_54_2l;
11
12 public class Java_lab_54_2L {
13
14     public static void main(String[] args) {
15         for(int i = 1;i <= 3;i++){
16             for(int j = 1;j <= 3;j++){
17                 System.out.print("*");
18                 System.out.print("\n");
19             }
20         }
21     }
22 }
23
```

The output window shows the command `cd G:\Sumaia\OOP Lab\Java_lab_54_2L; J` and the resulting series: `***`, `***`, `***`, followed by a blank line.

