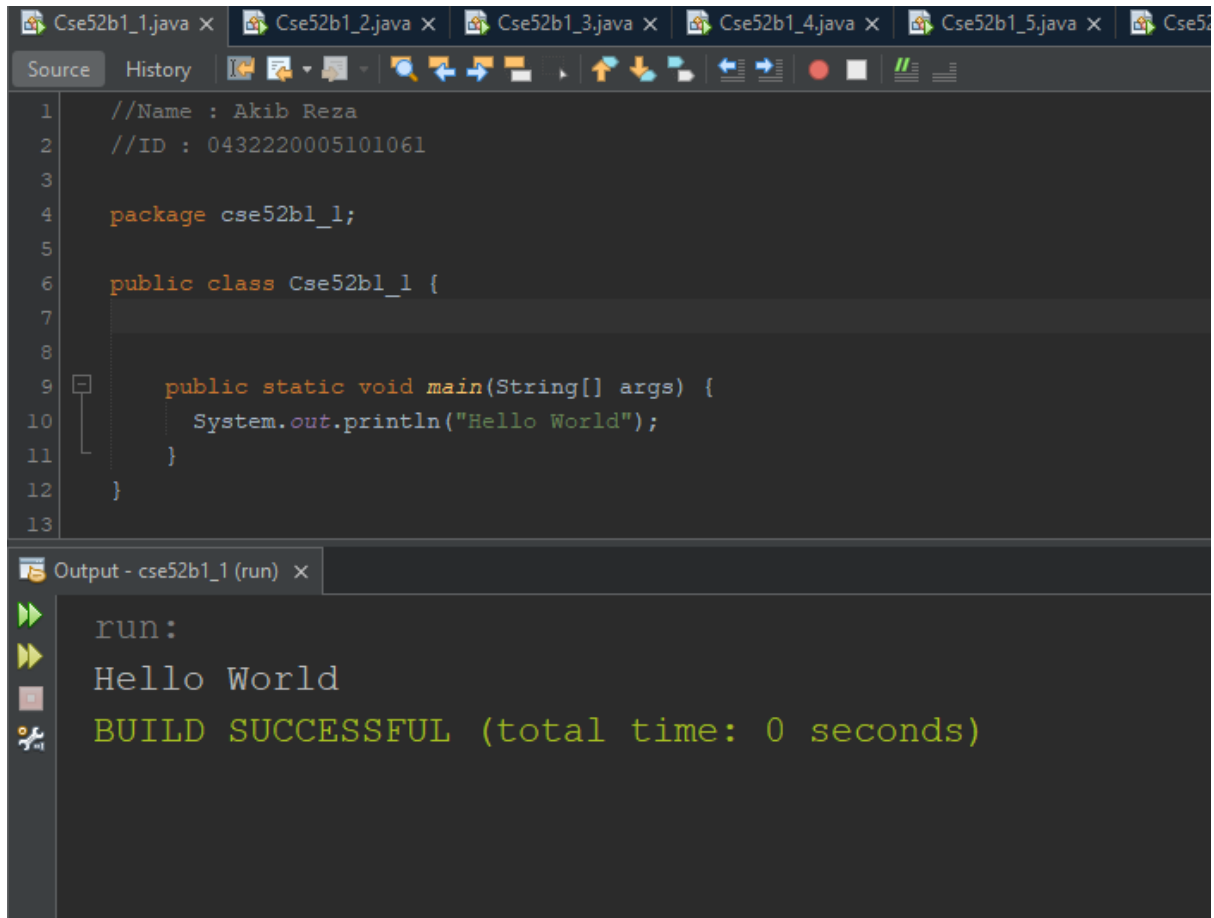


1.1:



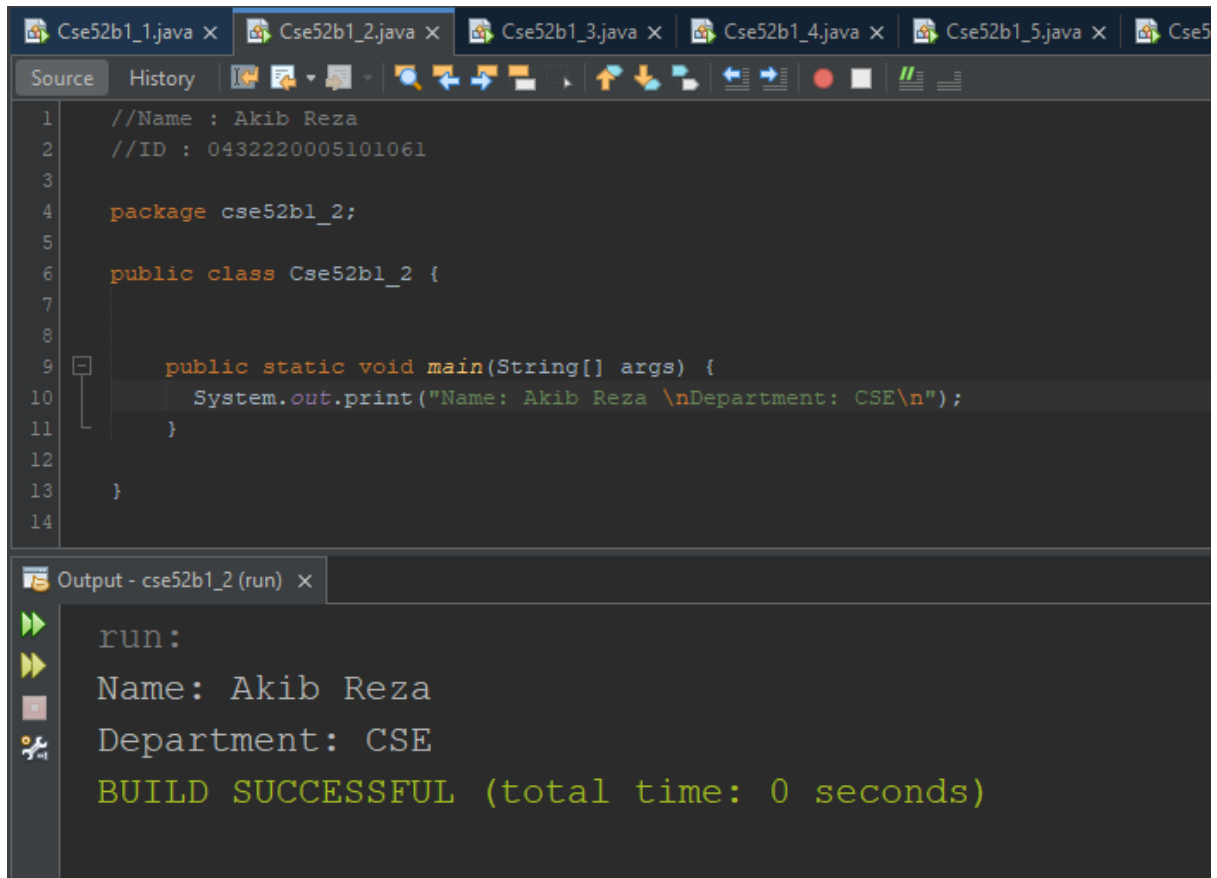
The screenshot shows an IDE with multiple tabs at the top: Cse52b1_1.java, Cse52b1_2.java, Cse52b1_3.java, Cse52b1_4.java, Cse52b1_5.java, and Cse52b1_6.java. The 'Source' tab is active, displaying the following Java code:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b1_1;
5
6 public class Cse52b1_1 {
7
8
9     public static void main(String[] args) {
10         System.out.println("Hello World");
11     }
12 }
13
```

Below the code editor, the 'Output - cse52b1_1 (run)' window is open, showing the execution results:

```
run:
Hello World
BUILD SUCCESSFUL (total time: 0 seconds)
```

1.2:



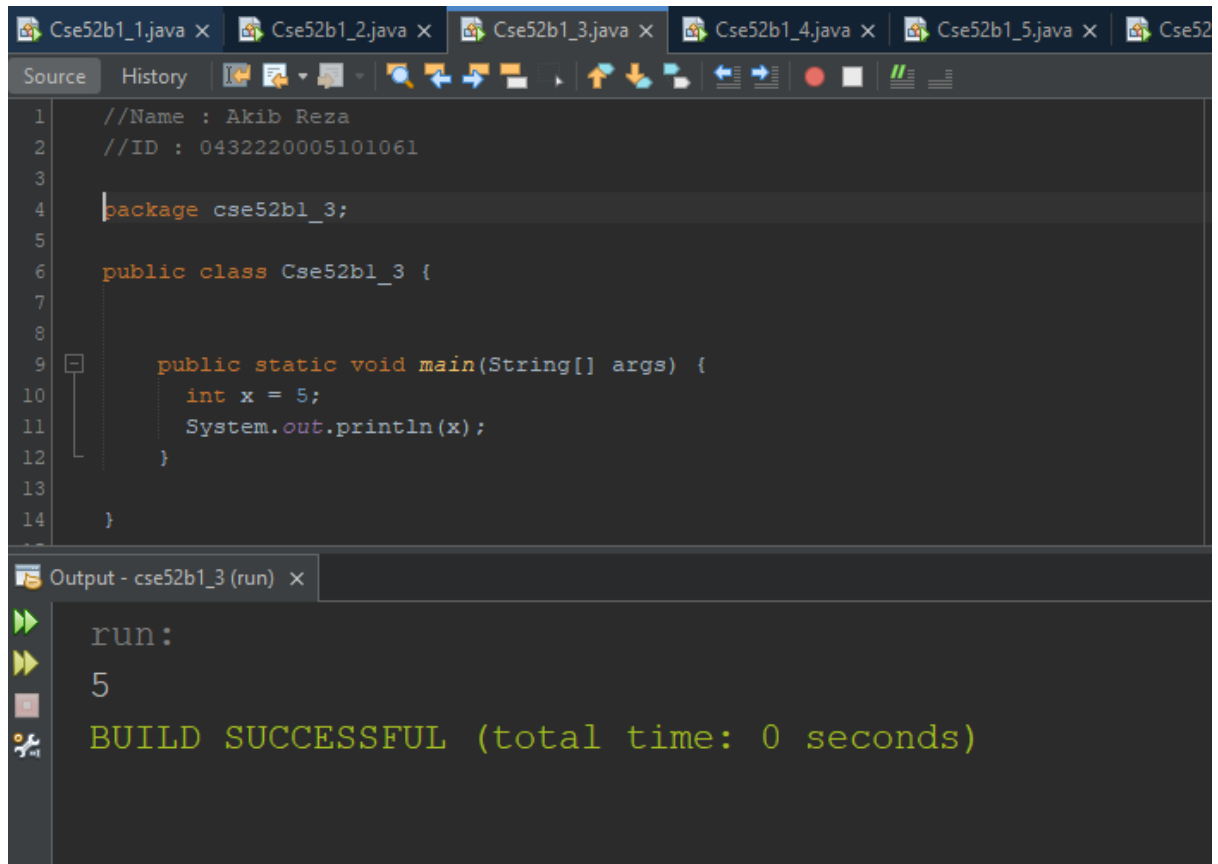
The screenshot shows an IDE with multiple tabs at the top: Cse52b1_1.java, Cse52b1_2.java (selected), Cse52b1_3.java, Cse52b1_4.java, Cse52b1_5.java, and Cse5. The 'Source' tab is active, displaying the following Java code:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b1_2;
5
6 public class Cse52b1_2 {
7
8
9     public static void main(String[] args) {
10         System.out.print("Name: Akib Reza \nDepartment: CSE\n");
11     }
12
13 }
14
```

Below the code editor is the 'Output - cse52b1_2 (run)' window, which shows the execution results:

```
run:
Name: Akib Reza
Department: CSE
BUILD SUCCESSFUL (total time: 0 seconds)
```

1.3:



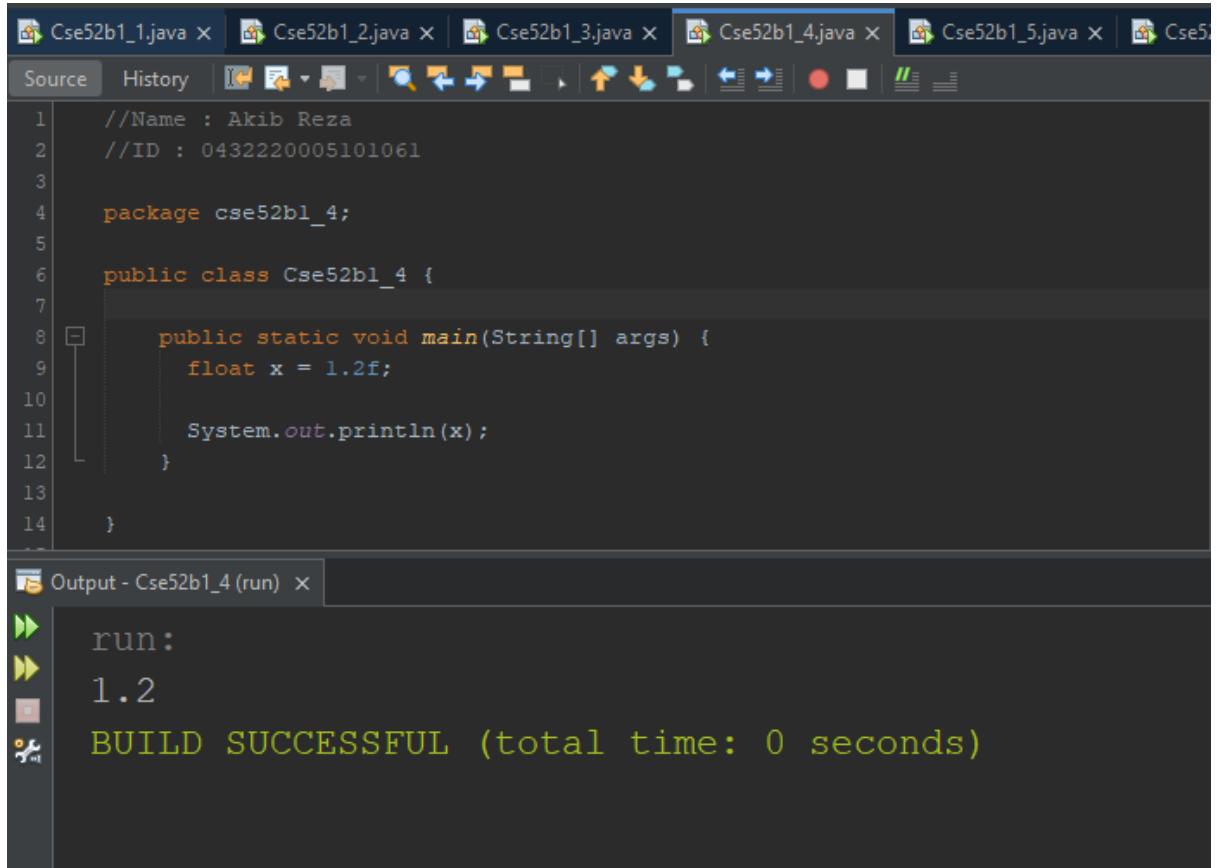
The screenshot shows an IDE with multiple tabs at the top: Cse52b1_1.java, Cse52b1_2.java, Cse52b1_3.java (active), Cse52b1_4.java, Cse52b1_5.java, and Cse52b1_6.java. The active tab displays the following Java code:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b1_3;
5
6 public class Cse52b1_3 {
7
8
9     public static void main(String[] args) {
10         int x = 5;
11         System.out.println(x);
12     }
13
14 }
```

Below the code editor is the 'Output - cse52b1_3 (run)' window, which shows the execution results:

```
run:
5
BUILD SUCCESSFUL (total time: 0 seconds)
```

1.4:



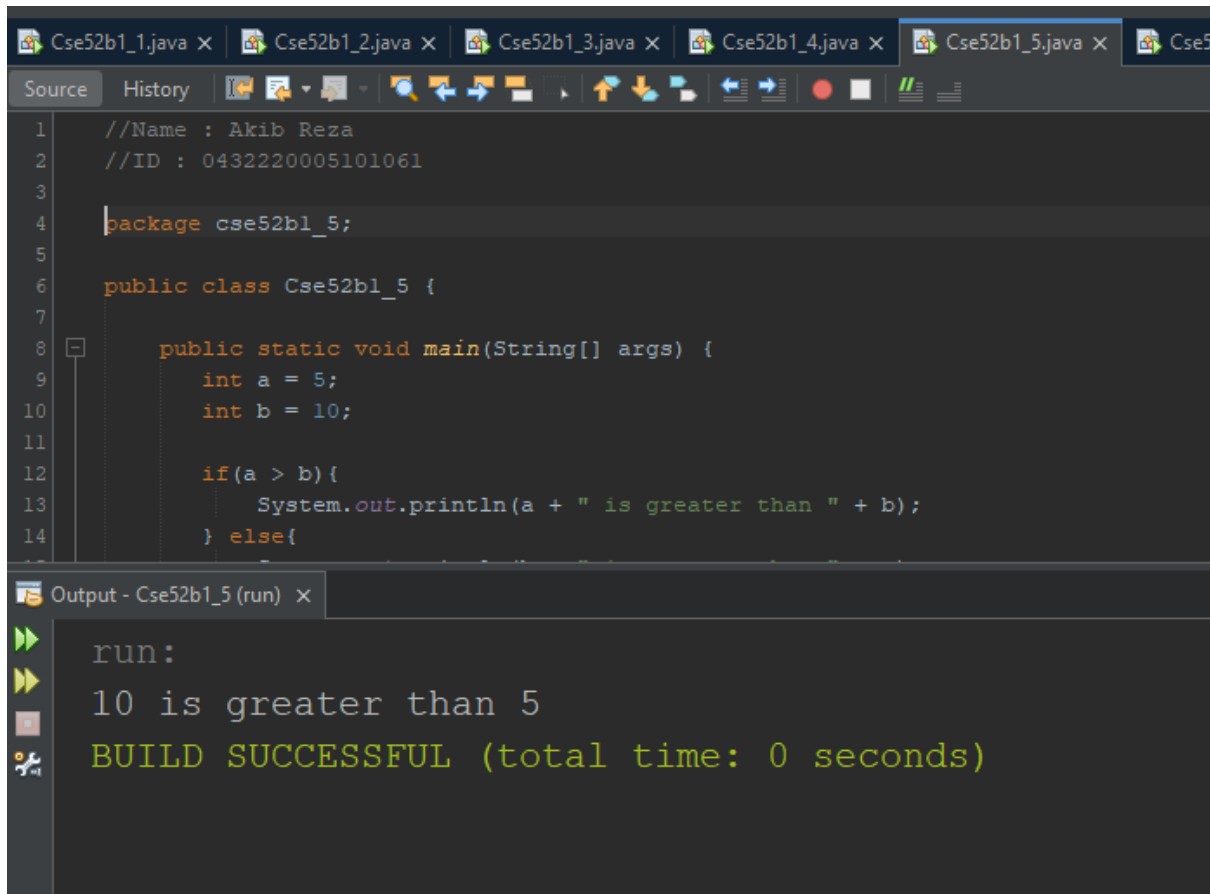
The screenshot shows an IDE with multiple tabs at the top: Cse52b1_1.java, Cse52b1_2.java, Cse52b1_3.java, Cse52b1_4.java (selected), Cse52b1_5.java, and Cse5. The 'Source' tab is active, displaying the following Java code:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b1_4;
5
6 public class Cse52b1_4 {
7
8     public static void main(String[] args) {
9         float x = 1.2f;
10
11         System.out.println(x);
12     }
13
14 }
```

Below the code editor is the 'Output - Cse52b1_4 (run)' window, which displays the following output:

```
run:
1.2
BUILD SUCCESSFUL (total time: 0 seconds)
```

1.5:



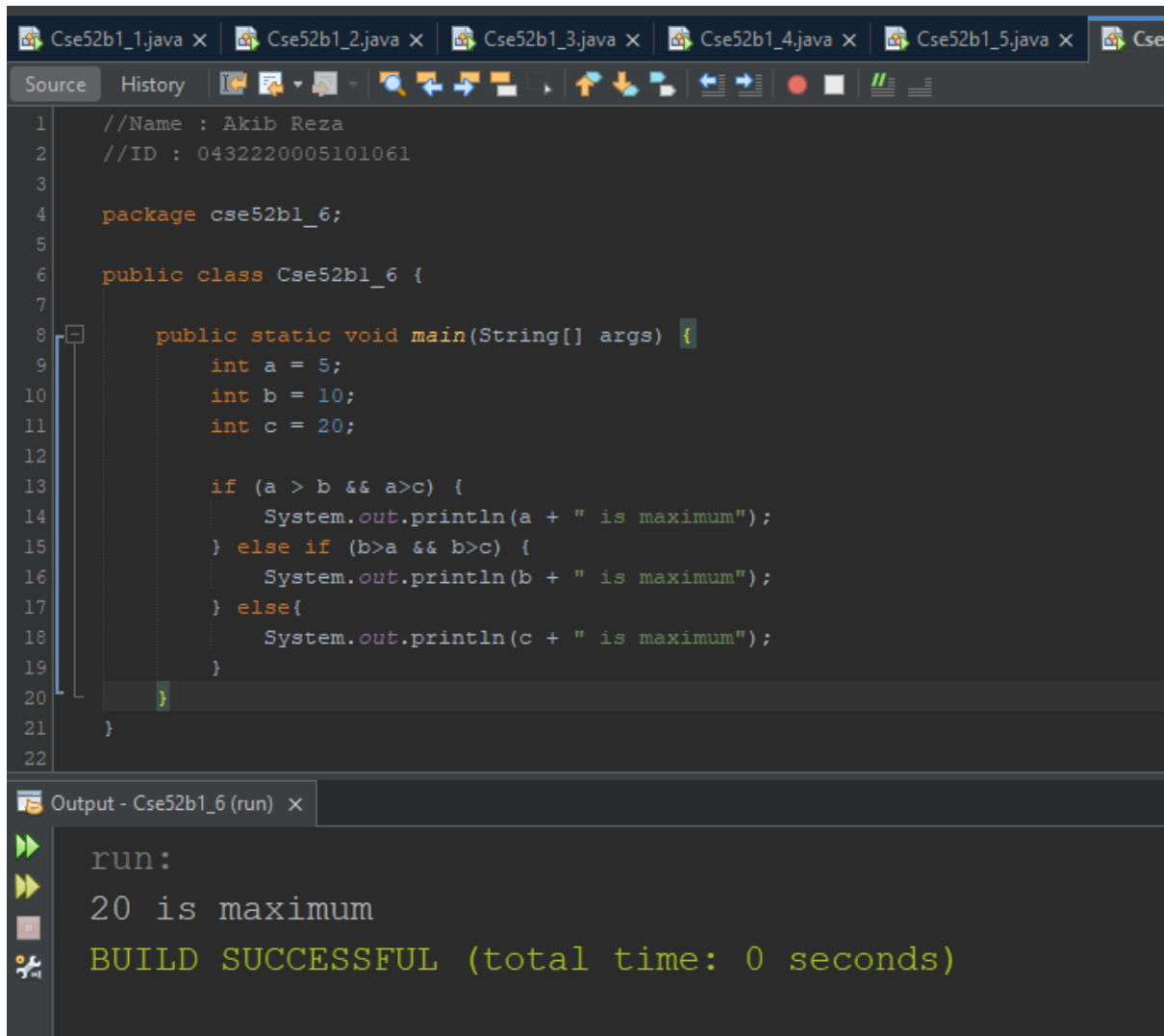
The screenshot shows an IDE with multiple tabs at the top: Cse52b1_1.java, Cse52b1_2.java, Cse52b1_3.java, Cse52b1_4.java, Cse52b1_5.java, and Cse52b1_6.java. The 'Source' tab is active, displaying the following Java code:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b1_5;
5
6 public class Cse52b1_5 {
7
8     public static void main(String[] args) {
9         int a = 5;
10        int b = 10;
11
12        if(a > b){
13            System.out.println(a + " is greater than " + b);
14        } else{
```

Below the code editor, the 'Output - Cse52b1_5 (run)' window is open, showing the execution results:

```
run:
10 is greater than 5
BUILD SUCCESSFUL (total time: 0 seconds)
```

1.6:



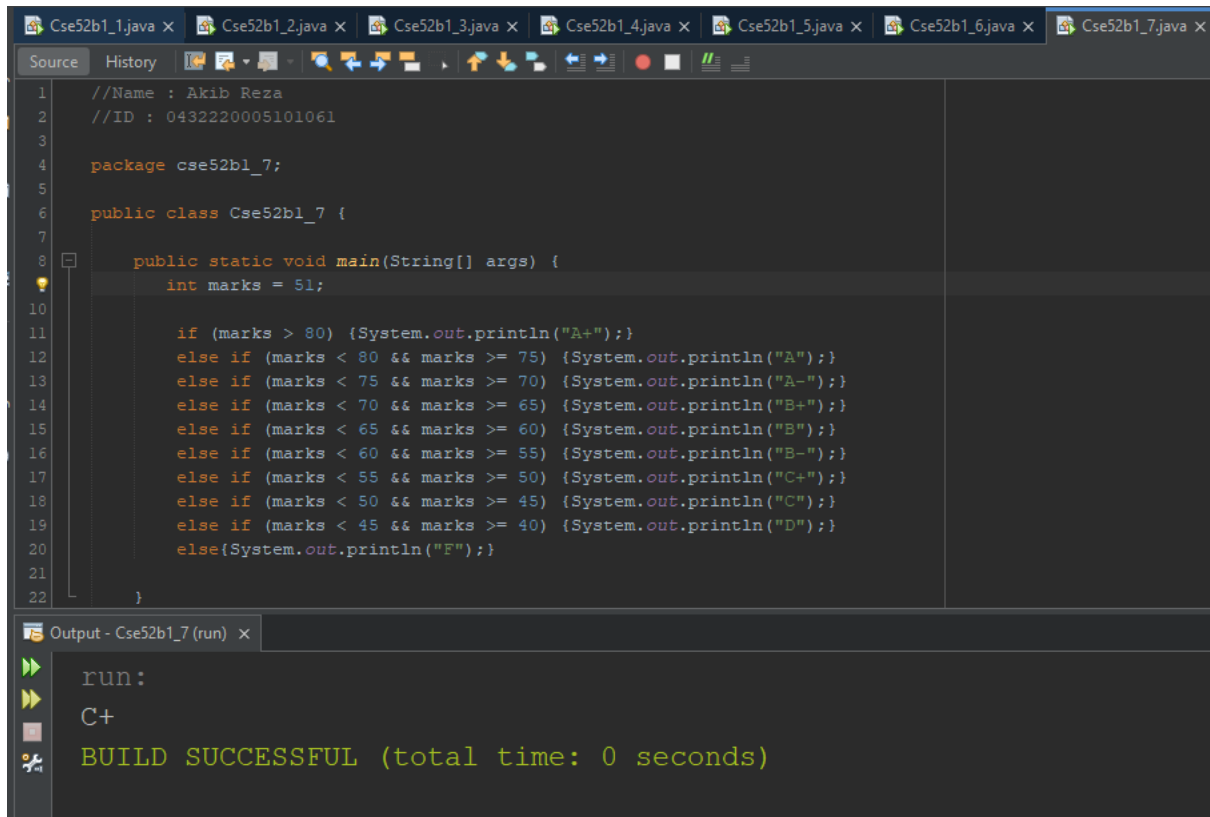
The screenshot shows an IDE with multiple tabs at the top: Cse52b1_1.java, Cse52b1_2.java, Cse52b1_3.java, Cse52b1_4.java, Cse52b1_5.java, and Cse52b1_6.java. The 'Source' tab is active, displaying the following Java code:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b1_6;
5
6 public class Cse52b1_6 {
7
8     public static void main(String[] args) {
9         int a = 5;
10        int b = 10;
11        int c = 20;
12
13        if (a > b && a > c) {
14            System.out.println(a + " is maximum");
15        } else if (b > a && b > c) {
16            System.out.println(b + " is maximum");
17        } else {
18            System.out.println(c + " is maximum");
19        }
20    }
21 }
22
```

Below the code editor, the 'Output - Cse52b1_6 (run)' tab is active, showing the execution results:

```
run:
20 is maximum
BUILD SUCCESSFUL (total time: 0 seconds)
```

1.7:



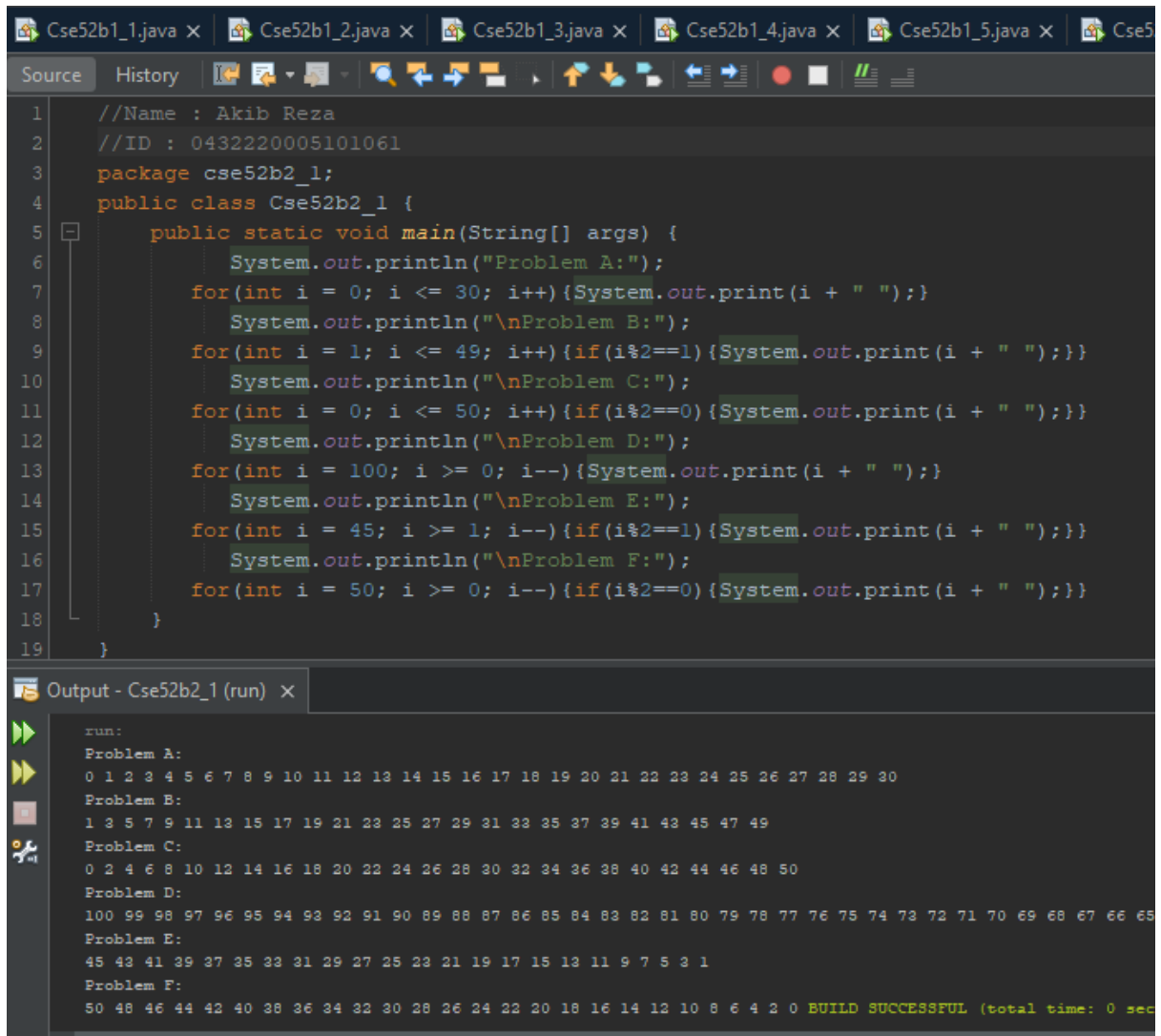
The screenshot shows an IDE with multiple tabs. The active tab is 'Cse52b1_7.java'. The code is a Java program that calculates a grade based on marks. The output window shows the result 'C+' and a successful build message.

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b1_7;
5
6 public class Cse52b1_7 {
7
8     public static void main(String[] args) {
9         int marks = 51;
10
11         if (marks > 80) {System.out.println("A+");}
12         else if (marks < 80 && marks >= 75) {System.out.println("A");}
13         else if (marks < 75 && marks >= 70) {System.out.println("A-");}
14         else if (marks < 70 && marks >= 65) {System.out.println("B+");}
15         else if (marks < 65 && marks >= 60) {System.out.println("B");}
16         else if (marks < 60 && marks >= 55) {System.out.println("B-");}
17         else if (marks < 55 && marks >= 50) {System.out.println("C+");}
18         else if (marks < 50 && marks >= 45) {System.out.println("C");}
19         else if (marks < 45 && marks >= 40) {System.out.println("D");}
20         else {System.out.println("F");}
21     }
22 }
```

Output - Cse52b1_7 (run) X

```
run:
C+
BUILD SUCCESSFUL (total time: 0 seconds)
```

2.1:



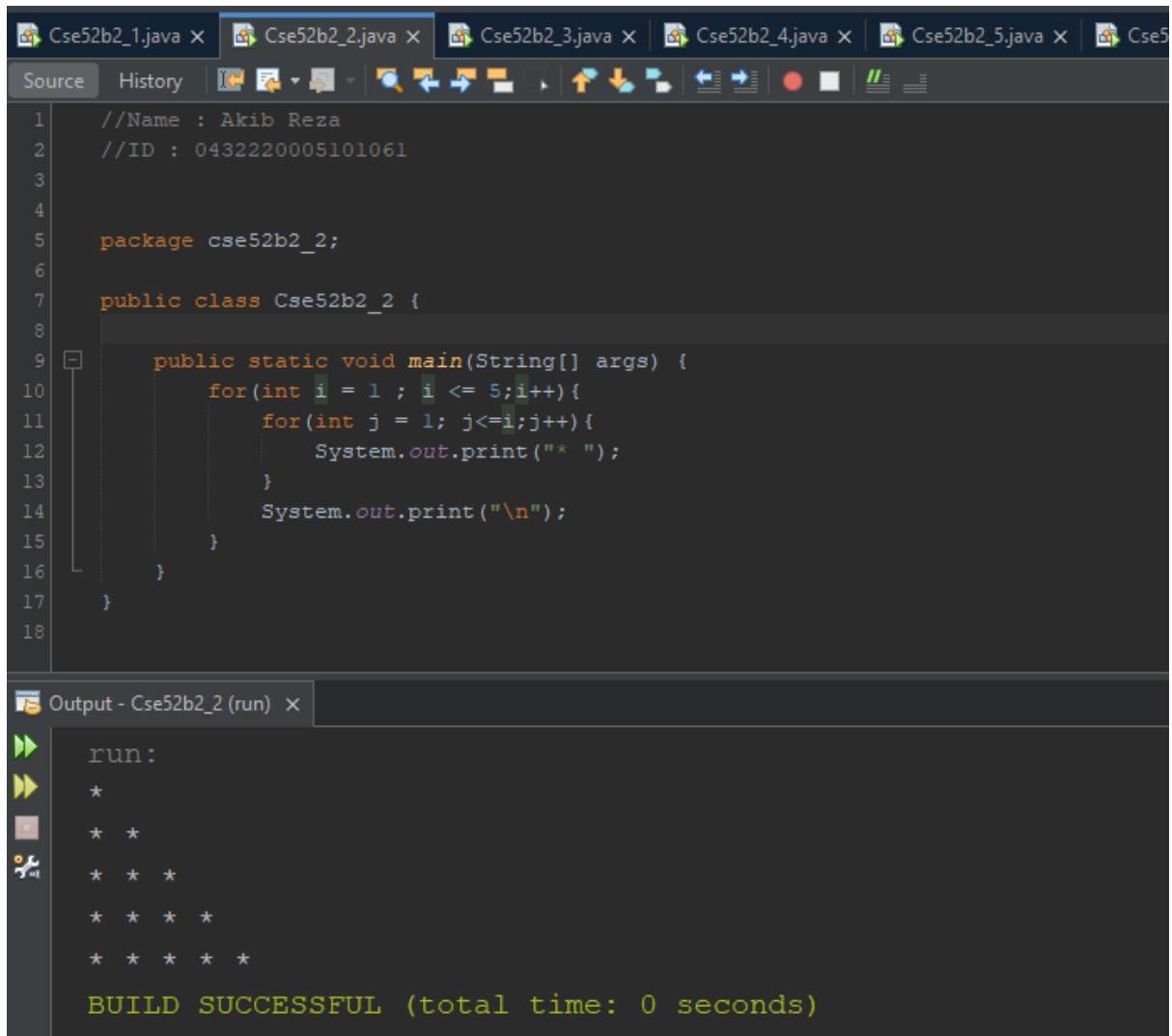
The screenshot shows an IDE with multiple tabs at the top: Cse52b1_1.java, Cse52b1_2.java, Cse52b1_3.java, Cse52b1_4.java, Cse52b1_5.java, and Cse5. The 'Source' tab is active, displaying the following Java code:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3 package cse52b2_1;
4 public class Cse52b2_1 {
5     public static void main(String[] args) {
6         System.out.println("Problem A:");
7         for(int i = 0; i <= 30; i++){System.out.print(i + " ");}
8         System.out.println("\nProblem B:");
9         for(int i = 1; i <= 49; i++){if(i%2==1){System.out.print(i + " ");}}
10        System.out.println("\nProblem C:");
11        for(int i = 0; i <= 50; i++){if(i%2==0){System.out.print(i + " ");}}
12        System.out.println("\nProblem D:");
13        for(int i = 100; i >= 0; i--){System.out.print(i + " ");}
14        System.out.println("\nProblem E:");
15        for(int i = 45; i >= 1; i--){if(i%2==1){System.out.print(i + " ");}}
16        System.out.println("\nProblem F:");
17        for(int i = 50; i >= 0; i--){if(i%2==0){System.out.print(i + " ");}}
18    }
19 }
```

The 'Output - Cse52b2_1 (run)' tab is also active, showing the execution results:

```
run:
Problem A:
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Problem B:
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49
Problem C:
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50
Problem D:
100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65
Problem E:
45 43 41 39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1
Problem F:
50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 BUILD SUCCESSFUL (total time: 0 sec
```


2.2:



The screenshot shows an IDE with multiple tabs at the top: Cse52b2_1.java, Cse52b2_2.java (active), Cse52b2_3.java, Cse52b2_4.java, Cse52b2_5.java, and Cse5. The active tab displays the following Java code:

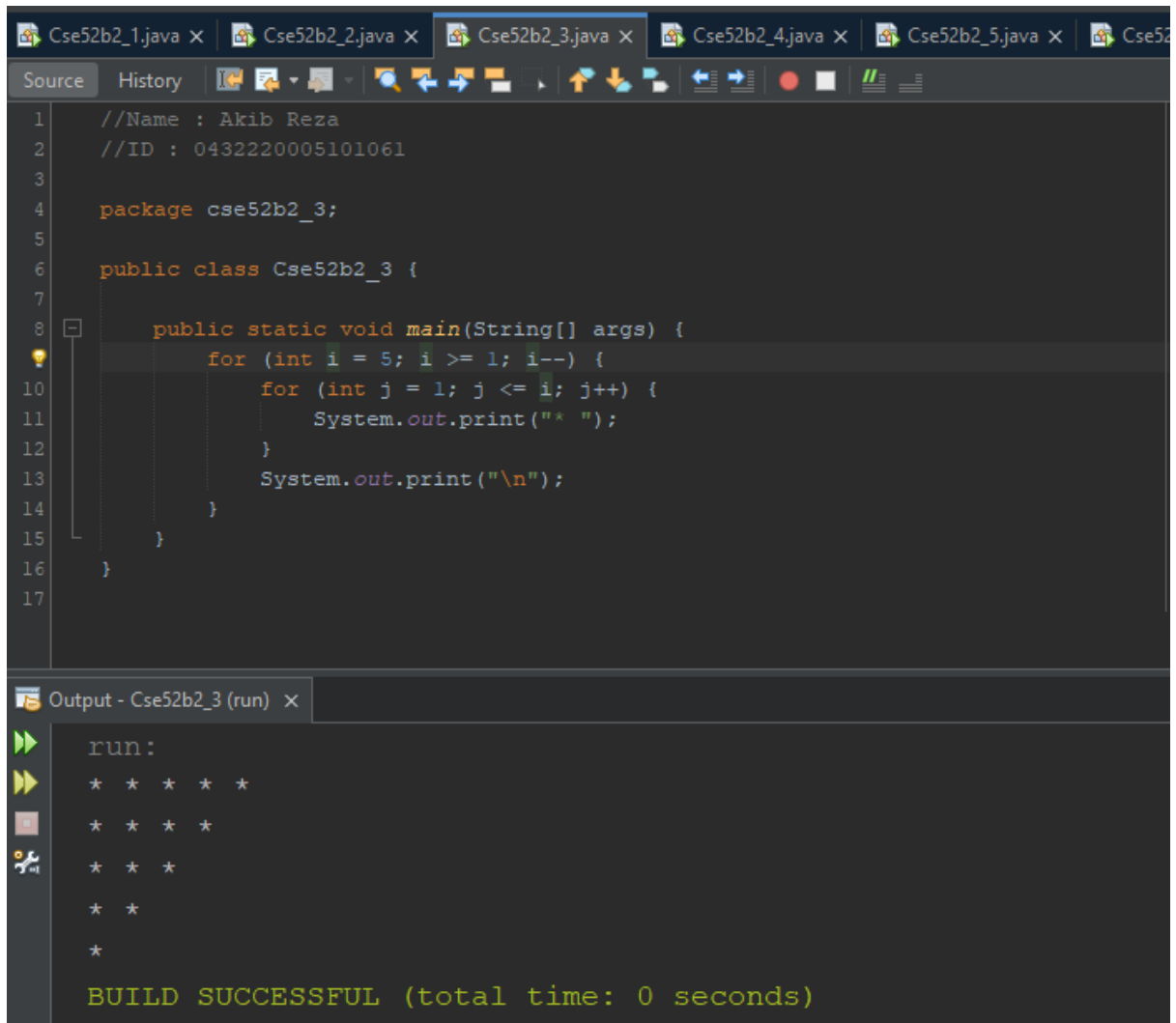
```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4
5 package cse52b2_2;
6
7 public class Cse52b2_2 {
8
9     public static void main(String[] args) {
10         for(int i = 1 ; i <= 5;i++){
11             for(int j = 1; j<=i;j++){
12                 System.out.print("* ");
13             }
14             System.out.print("\n");
15         }
16     }
17 }
18
```

Below the code editor, the 'Output - Cse52b2_2 (run)' window shows the execution results:

```
run:
*
* *
* * *
* * * *
* * * * *

BUILD SUCCESSFUL (total time: 0 seconds)
```

2.3:



The screenshot shows an IDE with multiple tabs at the top: Cse52b2_1.java, Cse52b2_2.java, Cse52b2_3.java (active), Cse52b2_4.java, Cse52b2_5.java, and Cse52b2_6.java. The active tab displays the following Java code:

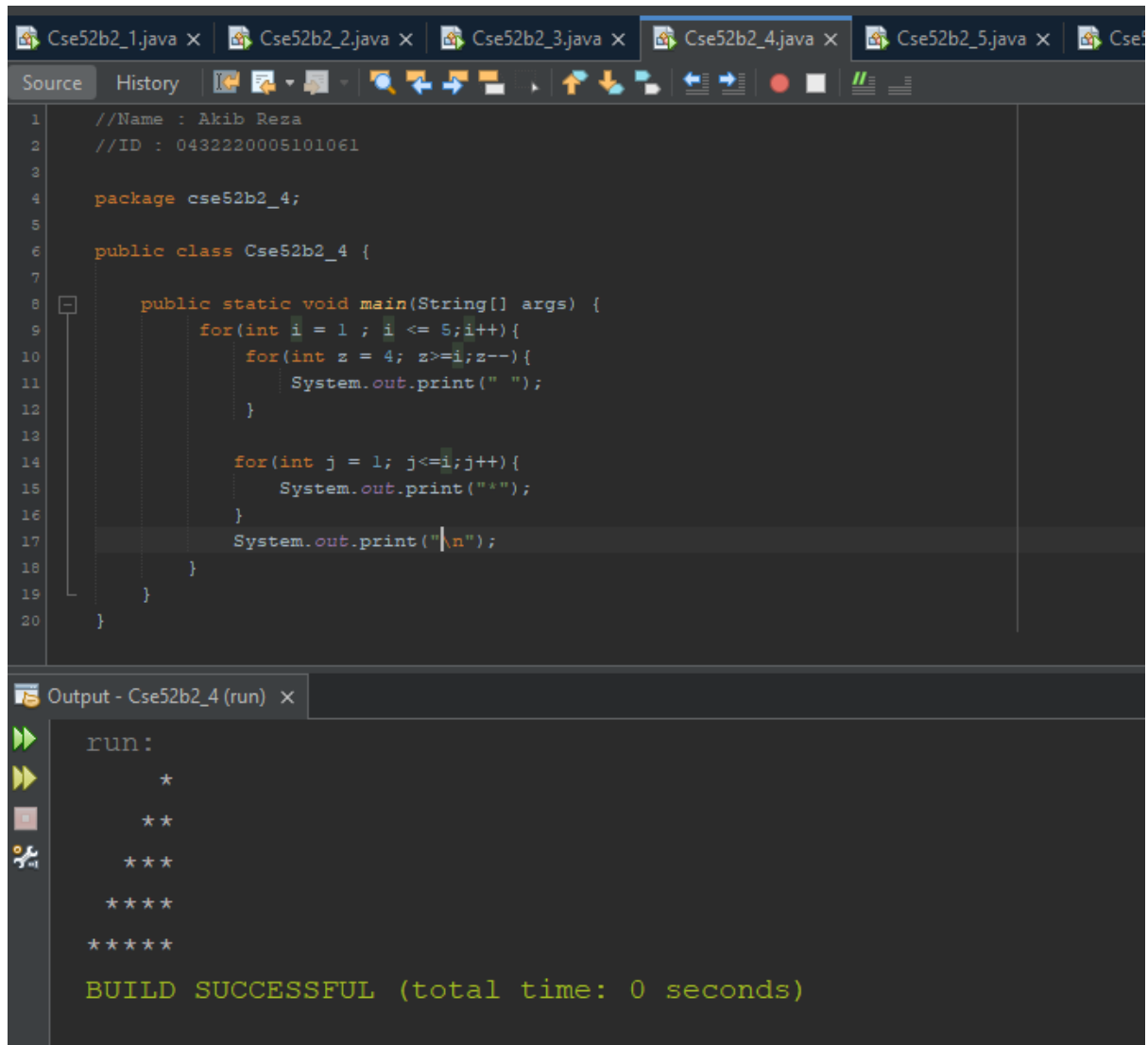
```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b2_3;
5
6 public class Cse52b2_3 {
7
8     public static void main(String[] args) {
9         for (int i = 5; i >= 1; i--) {
10             for (int j = 1; j <= i; j++) {
11                 System.out.print("* ");
12             }
13             System.out.print("\n");
14         }
15     }
16 }
17
```

Below the code editor, the 'Output - Cse52b2_3 (run)' window shows the execution results:

```
run:
* * * * *
* * * *
* * *
* *
*
```

At the bottom of the output window, it states: BUILD SUCCESSFUL (total time: 0 seconds)

2.4:



The screenshot shows an IDE with multiple tabs at the top: Cse52b2_1.java, Cse52b2_2.java, Cse52b2_3.java, Cse52b2_4.java (selected), Cse52b2_5.java, and Cse52b2_6.java. The 'Source' tab is active, displaying the following Java code:

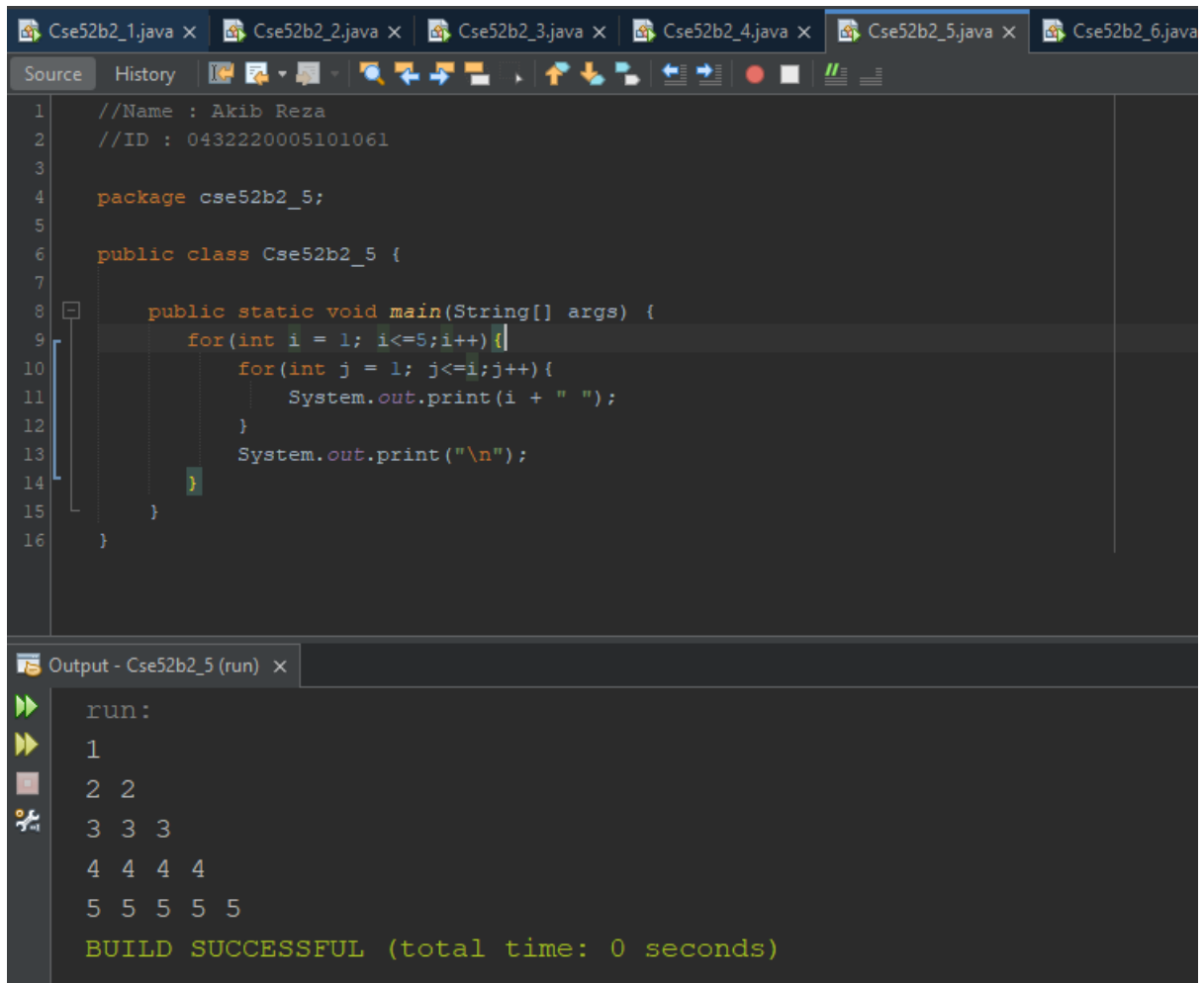
```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b2_4;
5
6 public class Cse52b2_4 {
7
8     public static void main(String[] args) {
9         for(int i = 1 ; i <= 5; i++){
10             for(int z = 4; z >= i; z--){
11                 System.out.print(" ");
12             }
13
14             for(int j = 1; j <= i; j++){
15                 System.out.print("*");
16             }
17             System.out.print("\n");
18         }
19     }
20 }
```

Below the code editor, the 'Output - Cse52b2_4 (run)' window is open, showing the execution results:

```
run:
    *
   **
  ***
 ****
*****

BUILD SUCCESSFUL (total time: 0 seconds)
```

2.5:



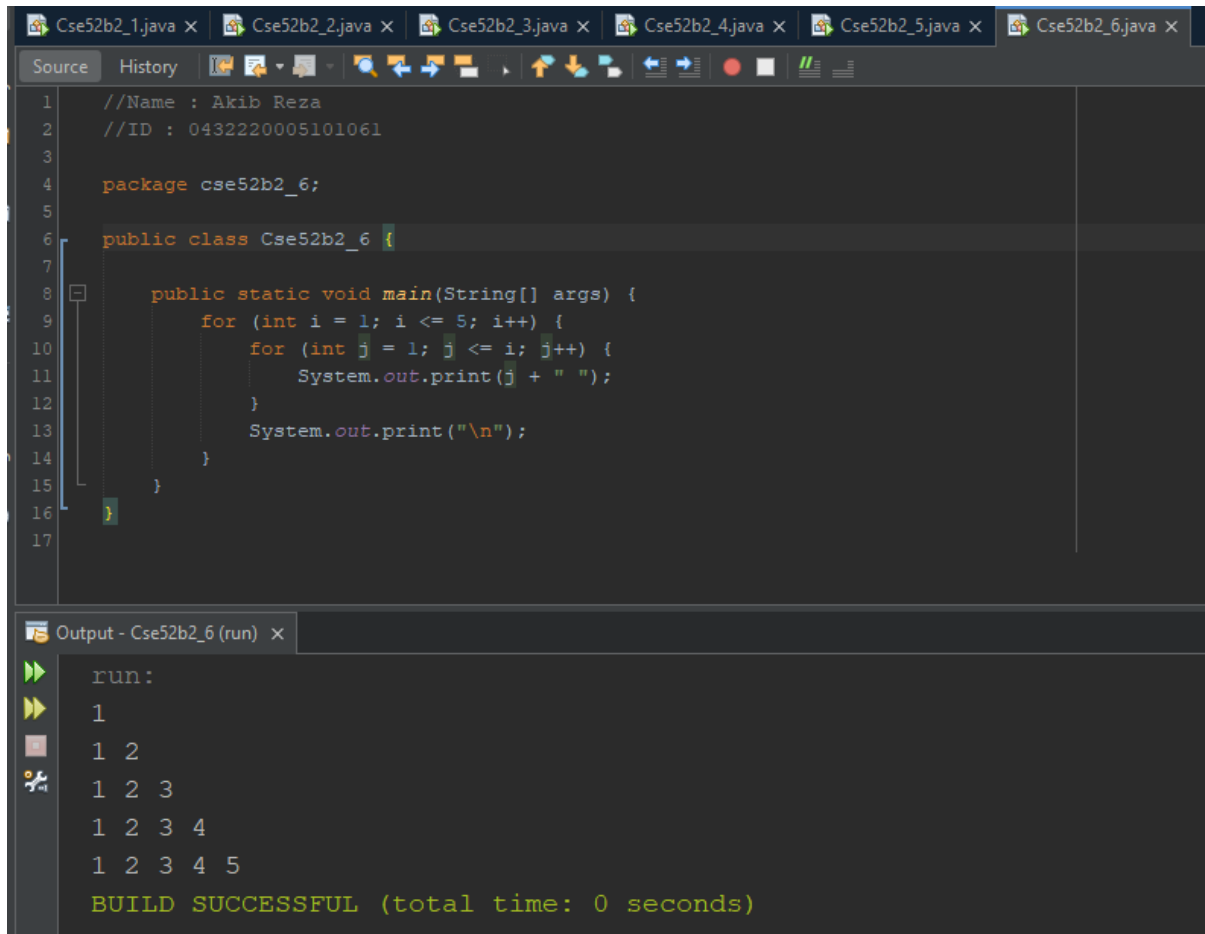
The screenshot shows an IDE with multiple tabs. The active tab is `Cse52b2_5.java`. The code in the editor is as follows:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b2_5;
5
6 public class Cse52b2_5 {
7
8     public static void main(String[] args) {
9         for(int i = 1; i<=5;i++){
10             for(int j = 1; j<=i;j++){
11                 System.out.print(i + " ");
12             }
13             System.out.print("\n");
14         }
15     }
16 }
```

The output window, titled `Output - Cse52b2_5 (run)`, shows the following output:

```
run:
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
BUILD SUCCESSFUL (total time: 0 seconds)
```

2.6:



The screenshot shows an IDE with multiple tabs. The active tab is `Cse52b2_6.java`. The code in the editor is as follows:

```
1 //Name : Akib Reza
2 //ID : 0432220005101061
3
4 package cse52b2_6;
5
6 public class Cse52b2_6 {
7
8     public static void main(String[] args) {
9         for (int i = 1; i <= 5; i++) {
10             for (int j = 1; j <= i; j++) {
11                 System.out.print(j + " ");
12             }
13             System.out.print("\n");
14         }
15     }
16 }
17
```

The output window, titled "Output - Cse52b2_6 (run)", shows the following output:

```
run:
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
BUILD SUCCESSFUL (total time: 0 seconds)
```