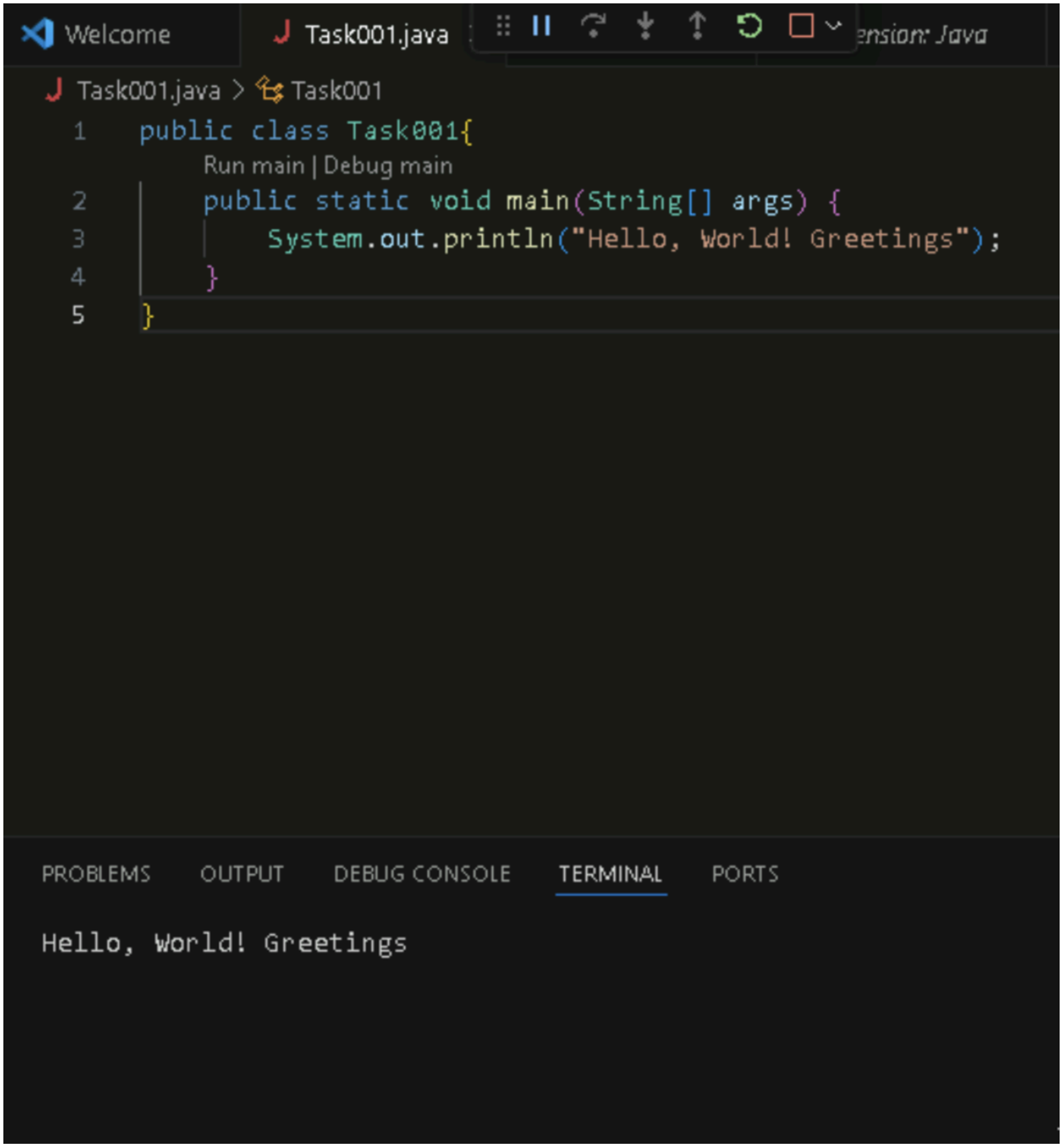
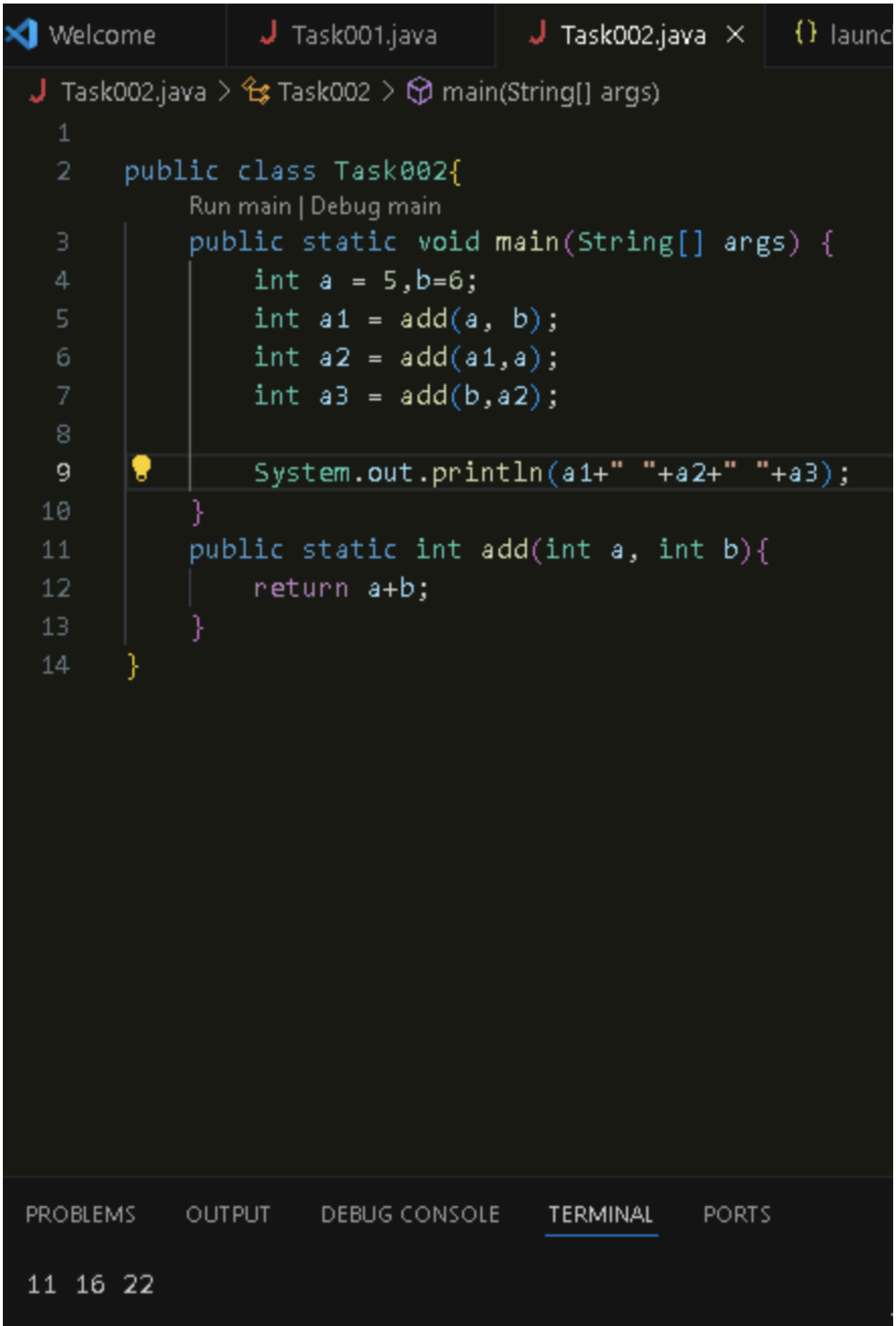
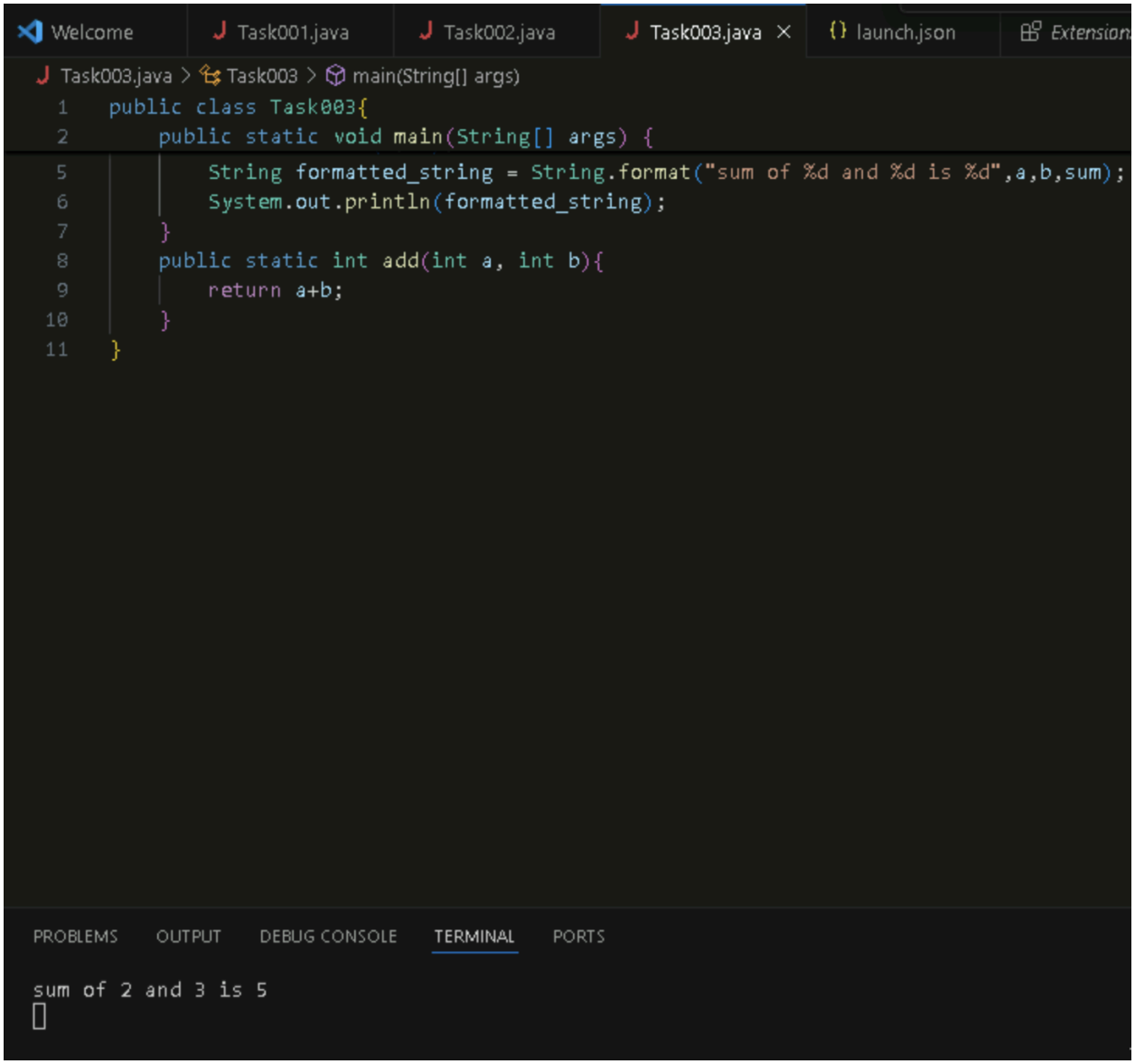
Task001 -


Welcome
Task001.java
Task001.java > Task001
1 public class Task001{
Run main | Debug main
2 public static void main(String[] args) {
3 System.out.println("Hello, World! Greetings");
4 }
5 }
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Hello, World! Greetings

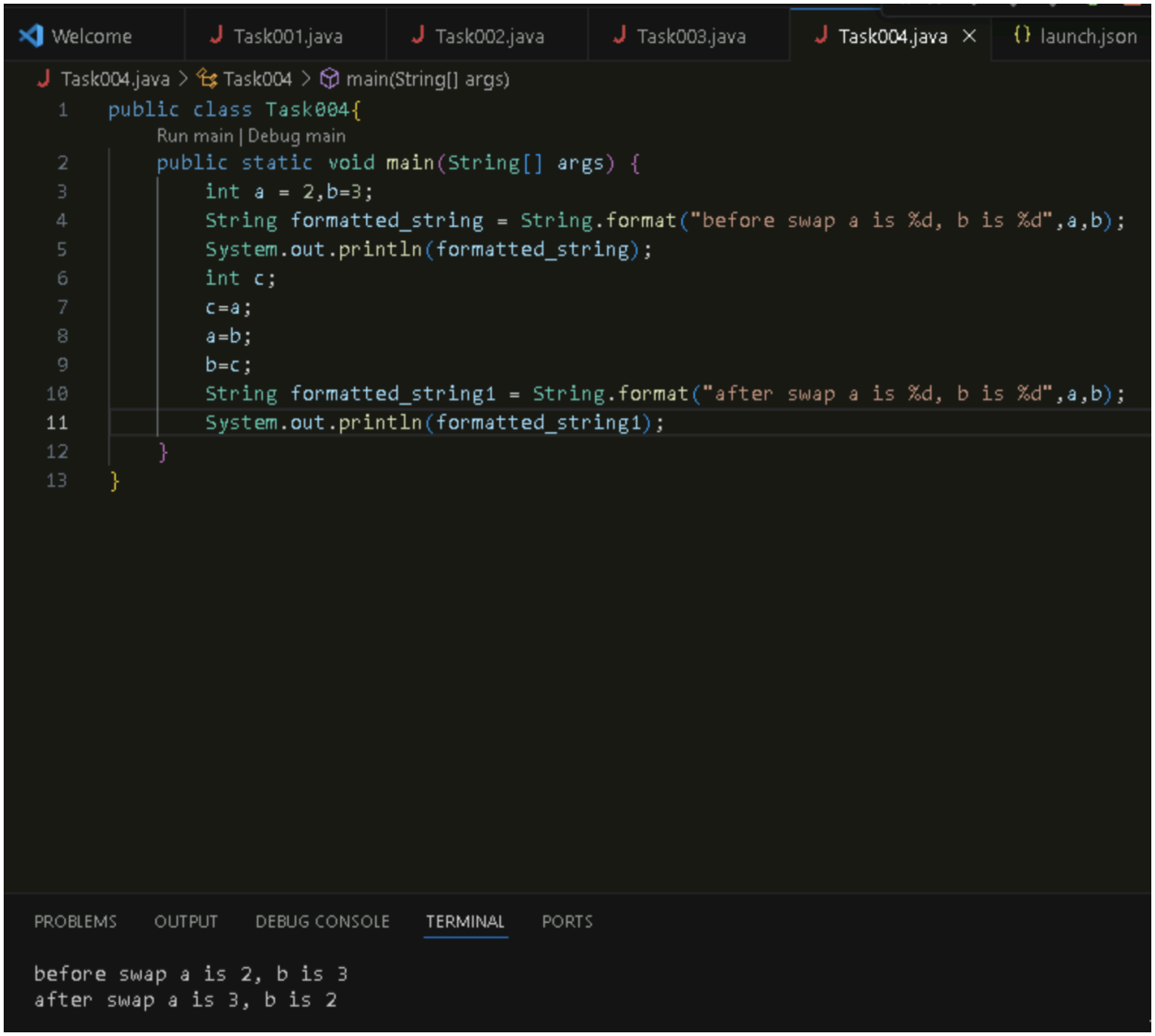
Task002 -


Welcome
Task001.java
Task002.java
Task002.java > Task002 > main(String[] args)
public class Task002{
Run main | Debug main
public static void main(String[] args) {
int a = 5,b=6;
int a1 = add(a, b);
int a2 = add(a1,a);
int a3 = add(b,a2);
System.out.println(a1+" "+a2+" "+a3);
}
public static int add(int a, int b){
return a+b;
}
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
11 16 22

Task003 -


Welcome
Task001.java
Task002.java
Task003.java
launch.json
Task003.java > Task003 > main(String[] args)
public class Task003{
public static void main(String[] args) {
String formatted_string = String.format("sum of %d and %d is %d",a,b,sum);
System.out.println(formatted_string);
}
public static int add(int a, int b){
return a+b;
}
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
sum of 2 and 3 is 5

Task004 -

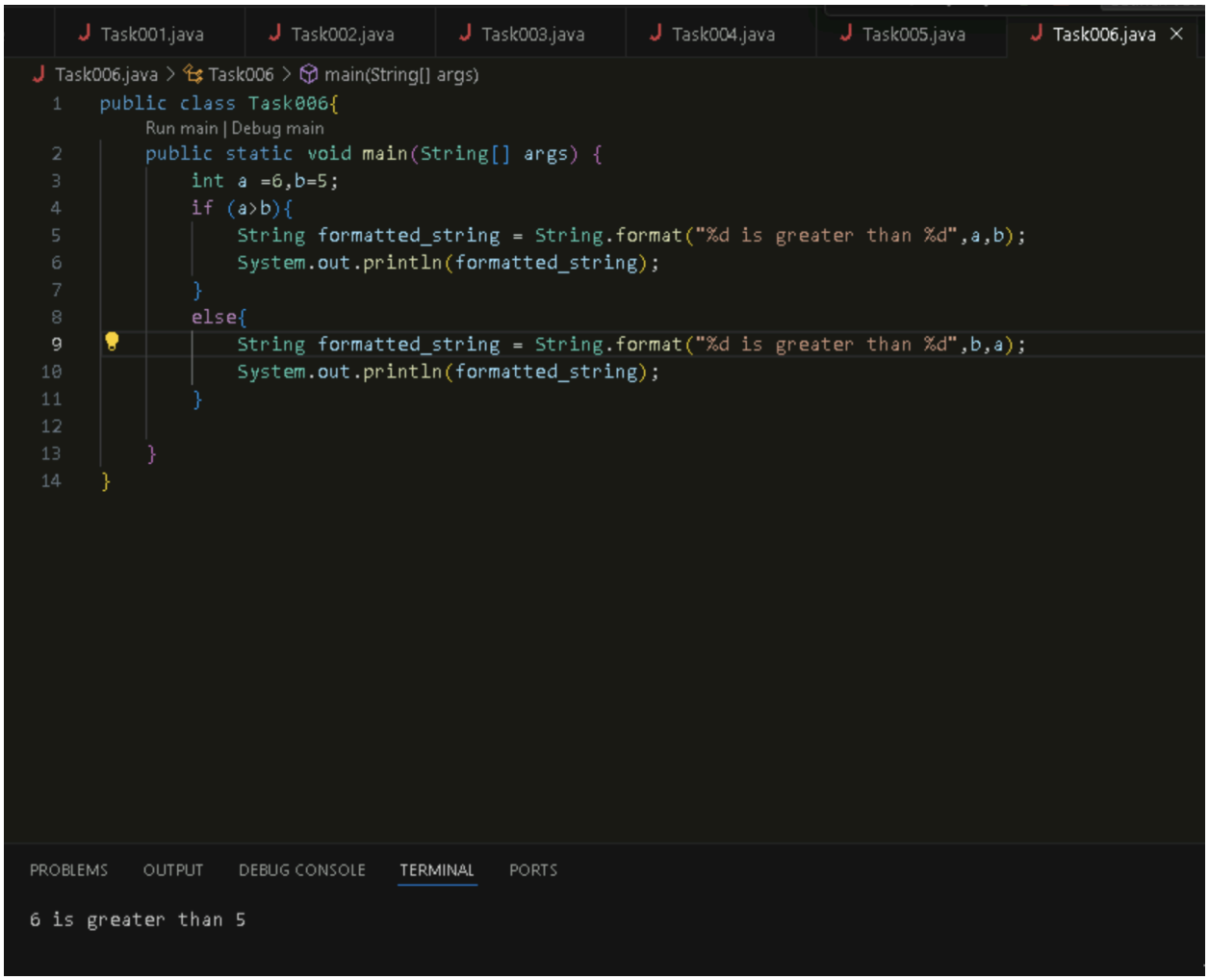

Welcome
Task001.java
Task002.java
Task003.java
Task004.java
launch.json
Task004.java > Task004 > main(String[] args)
1 public class Task004{
Run main | Debug main
2 public static void main(String[] args) {
3 int a = 2,b=3;
4 String formatted_string = String.format("before swap a is %d, b is %d",a,b);
5 System.out.println(formatted_string);
6 int c;
7 c=a;
8 a=b;
9 b=c;
10 String formatted_string1 = String.format("after swap a is %d, b is %d",a,b);
11 System.out.println(formatted_string1);
12 }
13 }
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
before swap a is 2, b is 3
after swap a is 3, b is 2

Task005 -

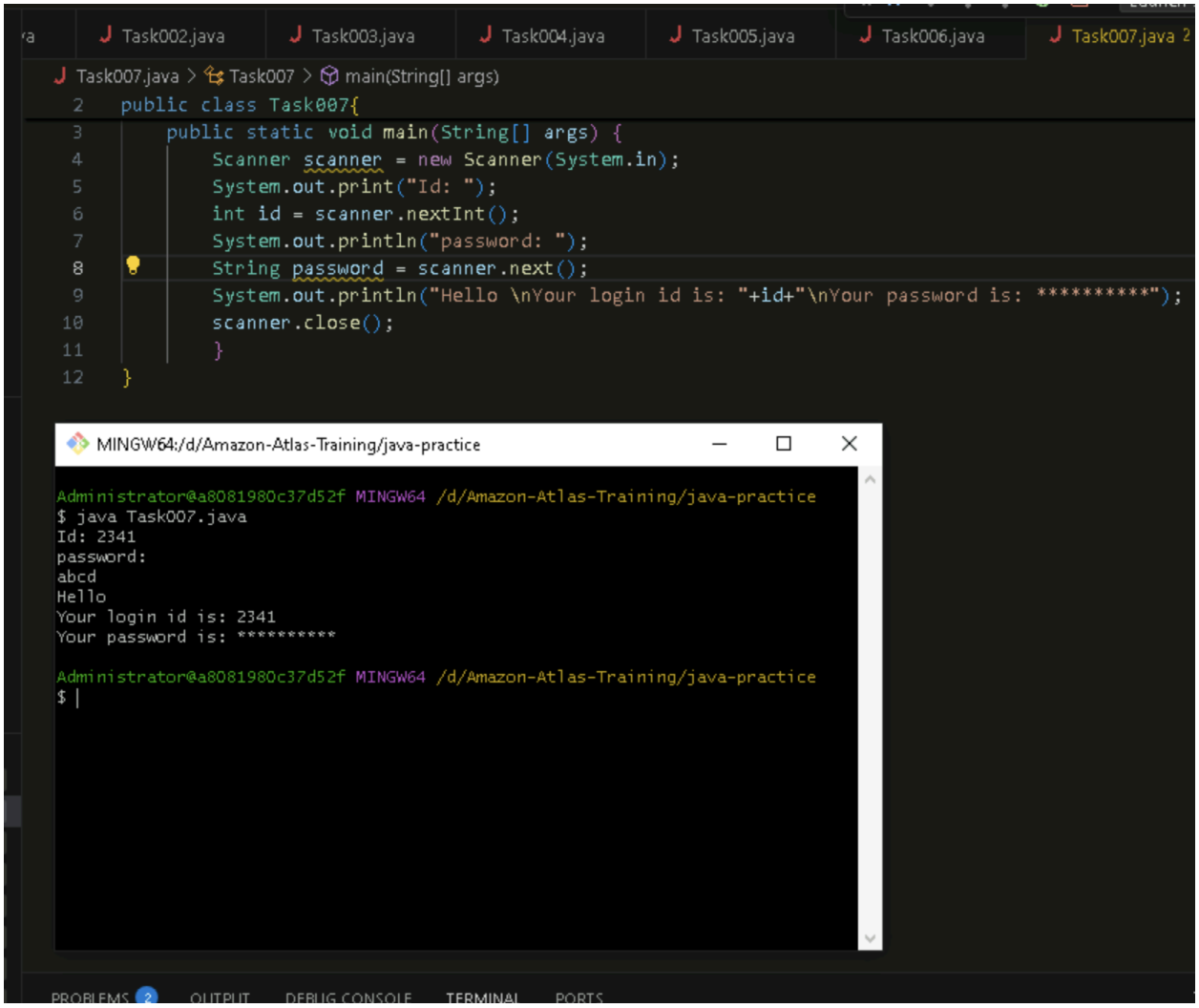
```java
public class Task005{
    Run main | Debug main
    public static void main(String[] args) {
        int a = 4,b=2;
        int sum,diff,prod,quotient;
        sum = add(a, b);
        diff = difference(a, b);
        prod = multiply(a, b);
        quotient = divide(a, b);
        String formatted_string_sum = String.format("Sum of %d and %d is %d", a,b,sum);
        String formatted_string_diff = String.format("difference of %d and %d is %d", a,b,diff);
        String formatted_string_prod = String.format("product of %d and %d is %d", a,b,prod);
        String formatted_string_quo = String.format("quotient of %d and %d is %d", a,b,quotient);

        System.out.println(formatted_string_sum+"\n"+formatted_string_diff+"\n"+formatted_string_prod+"\n"+formatted_str
    }
    public static int add(int a, int b){
        return a+b;
    }
    public static int difference(int a, int b){
        return a-b;
    }
    public static int multiply(int a, int b){
        return a*b;
    }
    public static int divide(int a, int b){
        return a/b;
    }
```

```
Sum of 4 and 2 is 6
difference of 4 and 2 is 2
product of 4 and 2 is 8
quotient of 4 and 2 is 2
```

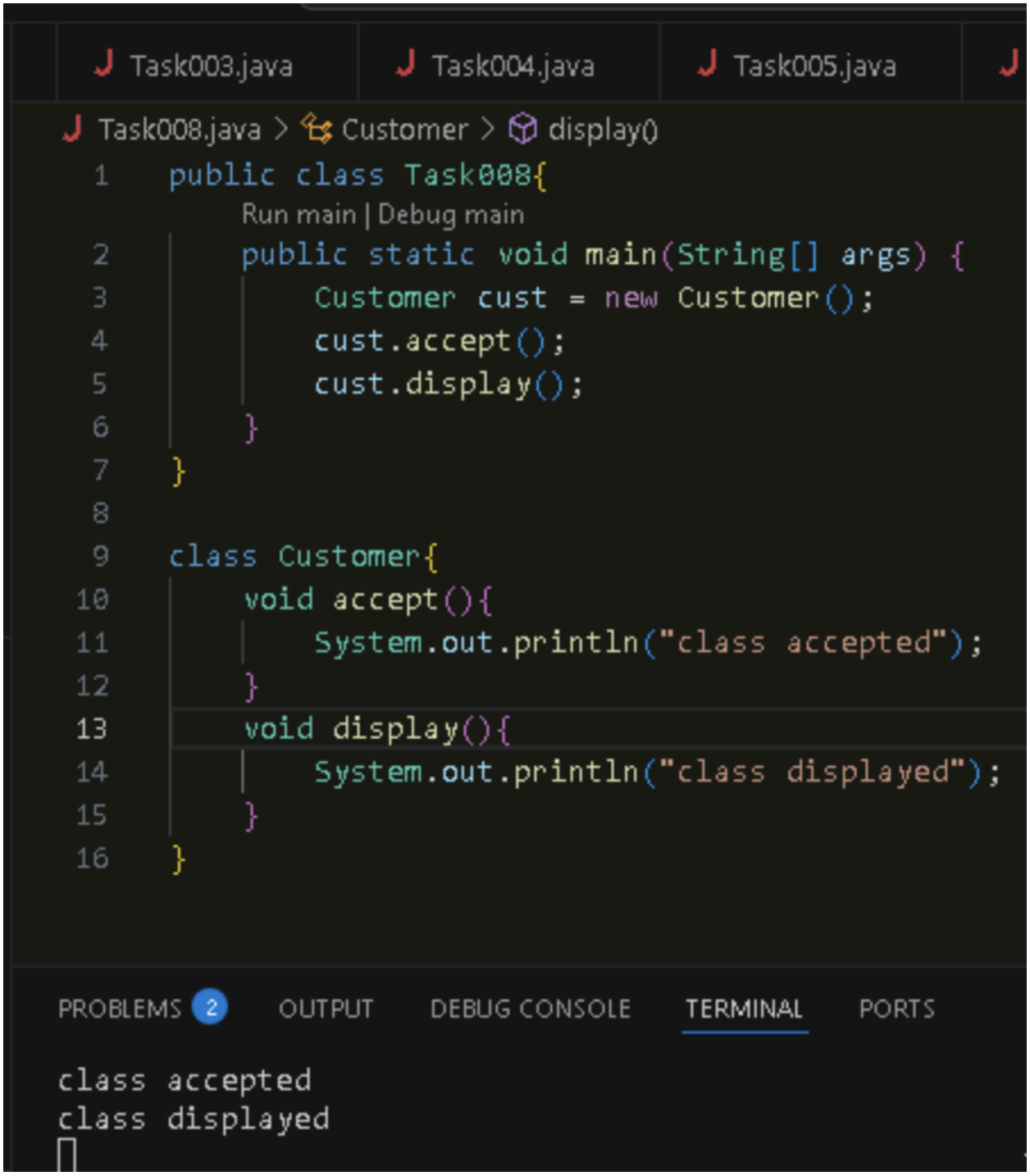
Task006 -


Task001.java
Task002.java
Task003.java
Task004.java
Task005.java
Task006.java
Task006.java > Task006 > main(String[] args)
1 public class Task006{
Run main | Debug main
2 public static void main(String[] args) {
3 int a =6,b=5;
4 if (a>b){
5 String formatted_string = String.format("%d is greater than %d",a,b);
6 System.out.println(formatted_string);
7 }
8 else{
9 String formatted_string = String.format("%d is greater than %d",b,a);
10 System.out.println(formatted_string);
11 }
12
13 }
14 }
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
6 is greater than 5

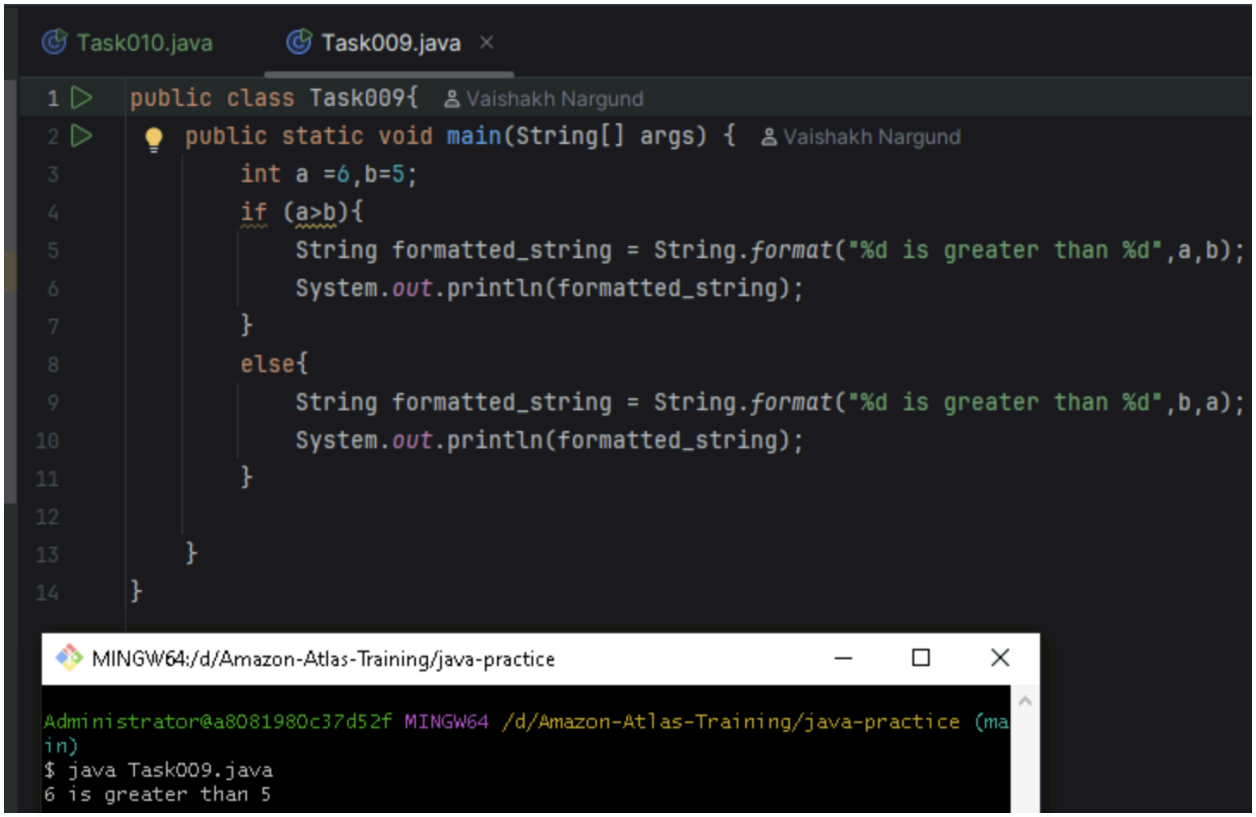
Task007


Task002.java
Task003.java
Task004.java
Task005.java
Task006.java
Task007.java 2
Task007.java > Task007 > main(String[] args)
2 public class Task007{
3 public static void main(String[] args) {
4 Scanner scanner = new Scanner(System.in);
5 System.out.print("Id: ");
6 int id = scanner.nextInt();
7 System.out.println("password: ");
8 String password = scanner.next();
9 System.out.println("Hello \nYour login id is: "+id+"\nYour password is: **********");
10 scanner.close();
11 }
12 }
MINGW64:/d/Amazon-Atlas-Training/java-practice
Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/java-practice
$ java Task007.java
Id: 2341
password:
abcd
Hello
Your login id is: 2341
Your password is: **********
Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/java-practice
$
PROBLEMS 2
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS

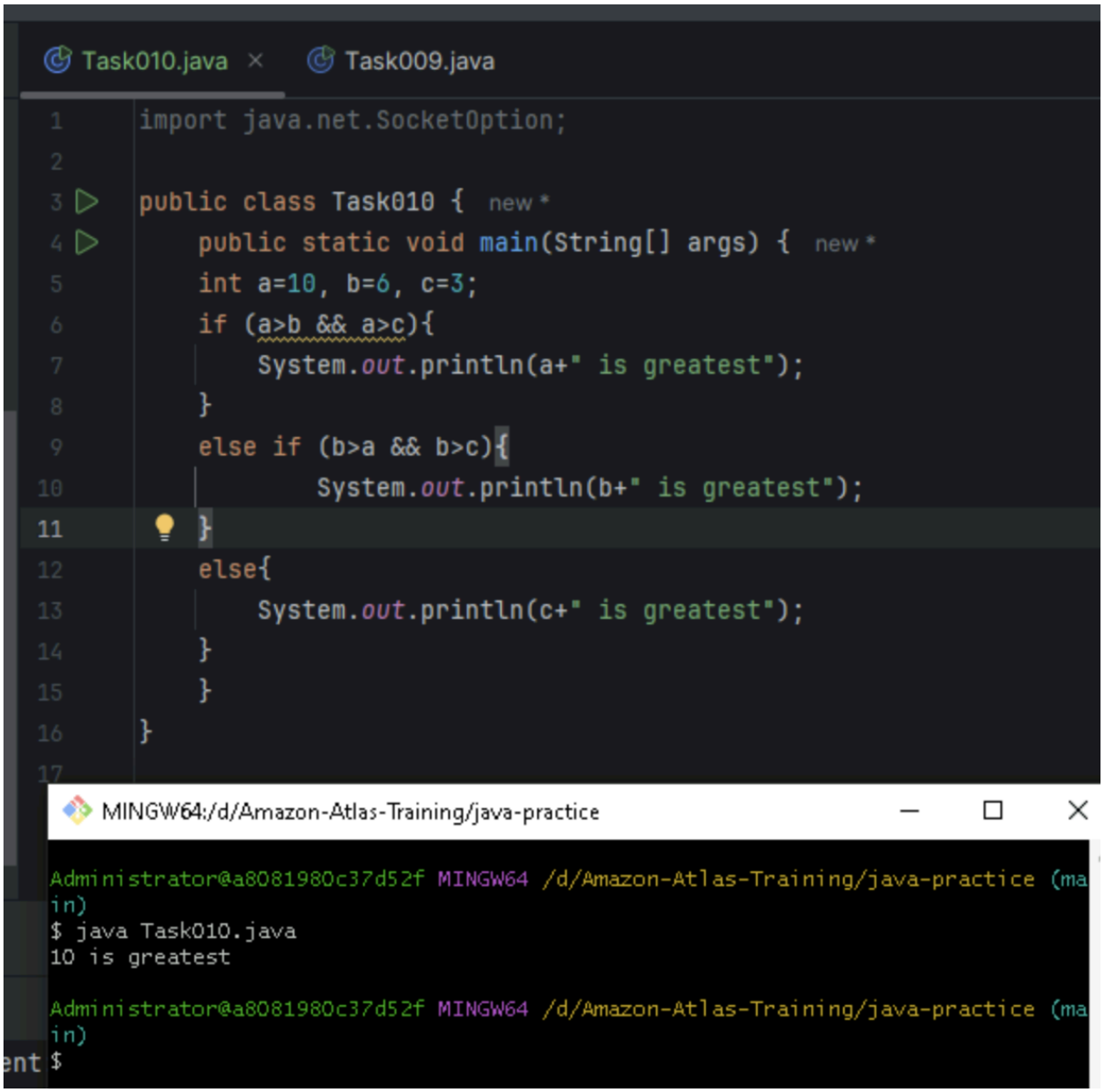
Task8


Task003.java
Task004.java
Task005.java
Task008.java > Customer > display()
1 public class Task008{
Run main | Debug main
2 public static void main(String[] args) {
3 Customer cust = new Customer();
4 cust.accept();
5 cust.display();
6 }
7 }
8
9 class Customer{
10 void accept(){
11 System.out.println("class accepted");
12 }
13 void display(){
14 System.out.println("class displayed");
15 }
16 }
PROBLEMS 2
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
class accepted
class displayed

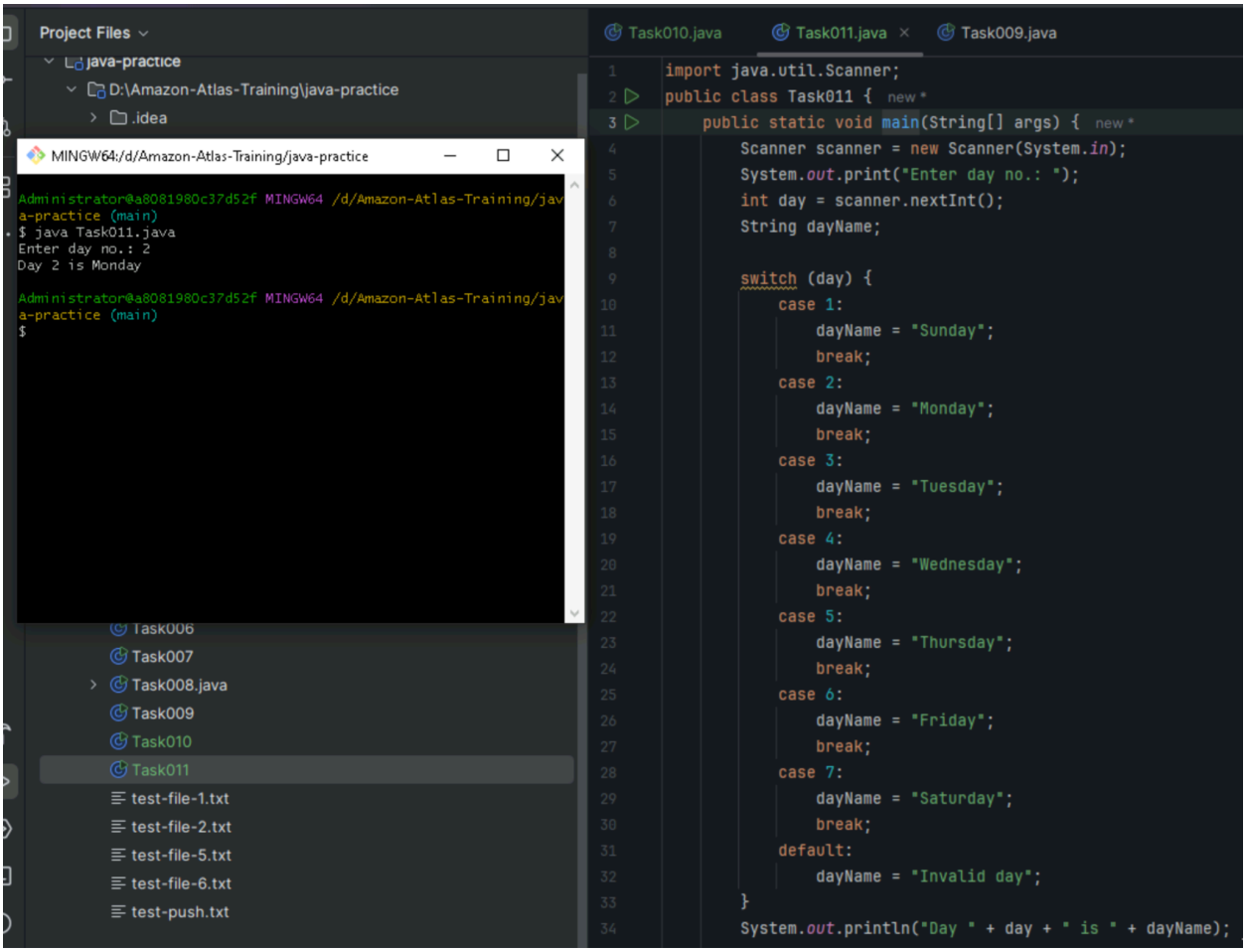
Task009 -


Task010.java
Task009.java
public class Task009{ Vaishakh Nargund
public static void main(String[] args) { Vaishakh Nargund
int a =6,b=5;
if (a>b){
String formatted_string = String.format("%d is greater than %d",a,b);
System.out.println(formatted_string);
}
else{
String formatted_string = String.format("%d is greater than %d",b,a);
System.out.println(formatted_string);
}
}
}
MINGW64:/d/Amazon-Atlas-Training/java-practice
Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/java-practice (ma
in)
$ java Task009.java
6 is greater than 5

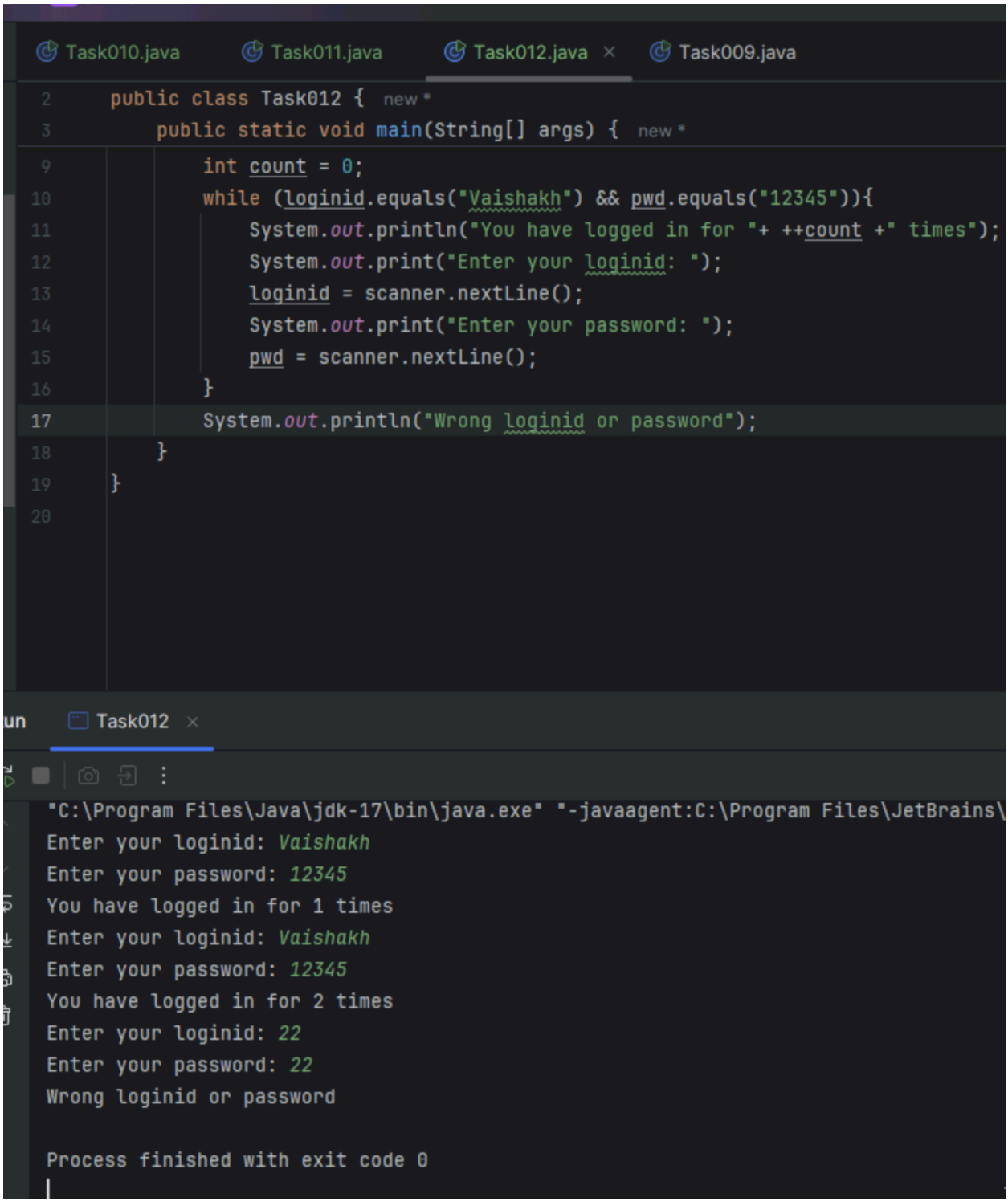
Task010 -


Task010.java
Task009.java
import java.net.SocketOption;
public class Task010 { new *
public static void main(String[] args) { new *
int a=10, b=6, c=3;
if (a>b && a>c){
System.out.println(a+" is greatest");
}
else if (b>a && b>c){
System.out.println(b+" is greatest");
}
else{
System.out.println(c+" is greatest");
}
}
}
MINGW64:/d/Amazon-Atlas-Training/java-practice
Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/java-practice (main)
$ java Task010.java
10 is greatest
Administrator@a8081980c37d52f MINGW64 /d/Amazon-Atlas-Training/java-practice (main)
$

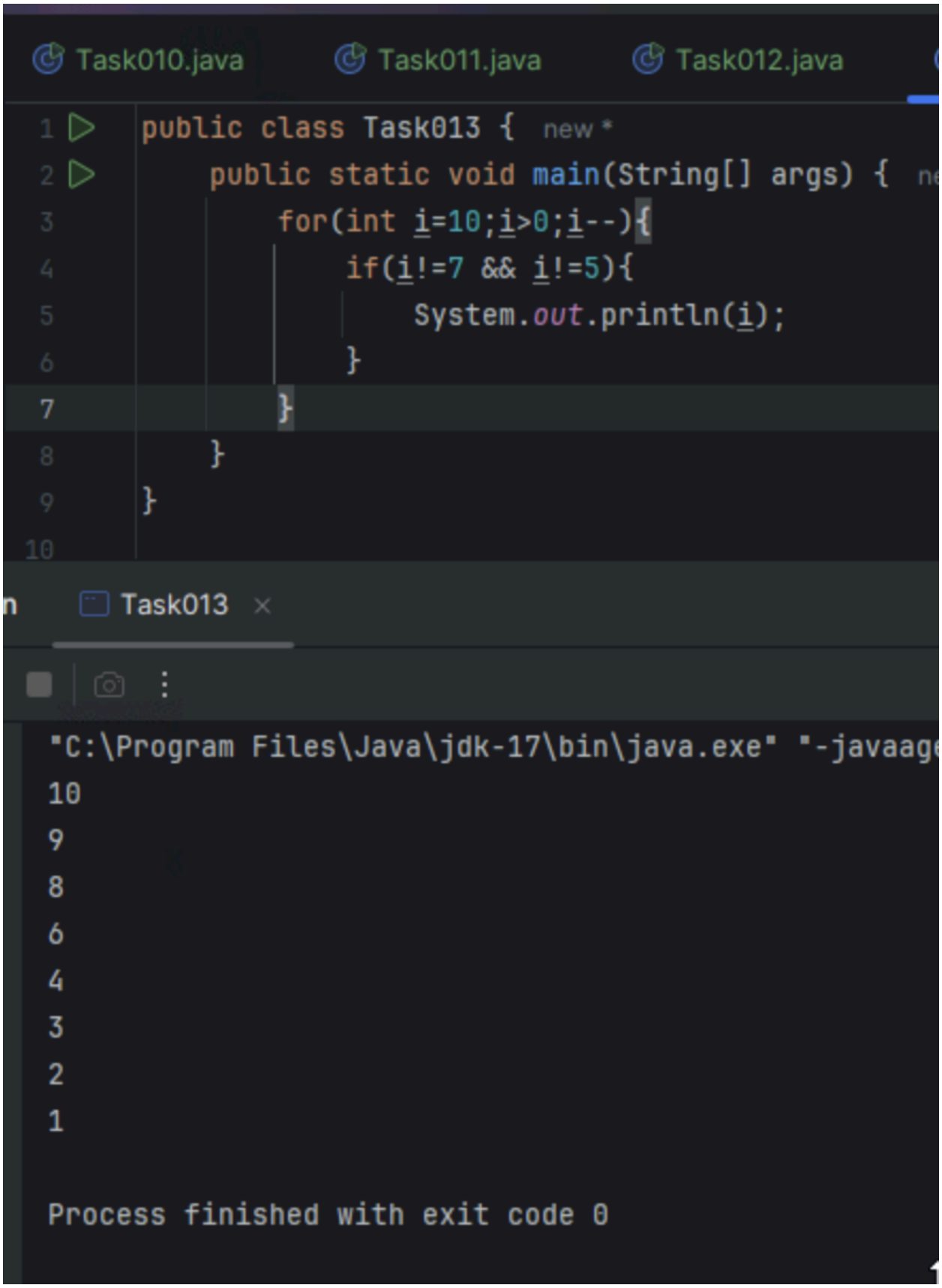
Task011 -


Project Files
java-practice
D:\Amazon-Atlas-Training\java-practice
.idea
MINGW64:/d/Amazon-Atlas-Training/java-practice
Administrator@a808198Oc37d52f MINGW64 /d/Amazon-Atlas-Training/java-practice (main)
$ java Task011.java
Enter day no.: 2
Day 2 is Monday
Administrator@a808198Oc37d52f MINGW64 /d/Amazon-Atlas-Training/java-practice (main)
$
Task006
Task007
Task008.java
Task009
Task010
Task011
test-file-1.txt
test-file-2.txt
test-file-5.txt
test-file-6.txt
test-push.txt
Task010.java
Task011.java
Task009.java
import java.util.Scanner;
public class Task011 { new *
public static void main(String[] args) { new *
Scanner scanner = new Scanner(System.in);
System.out.print("Enter day no.: ");
int day = scanner.nextInt();
String dayName;
switch (day) {
case 1:
dayName = "Sunday";
break;
case 2:
dayName = "Monday";
break;
case 3:
dayName = "Tuesday";
break;
case 4:
dayName = "Wednesday";
break;
case 5:
dayName = "Thursday";
break;
case 6:
dayName = "Friday";
break;
case 7:
dayName = "Saturday";
break;
default:
dayName = "Invalid day";
}
System.out.println("Day " + day + " is " + dayName);

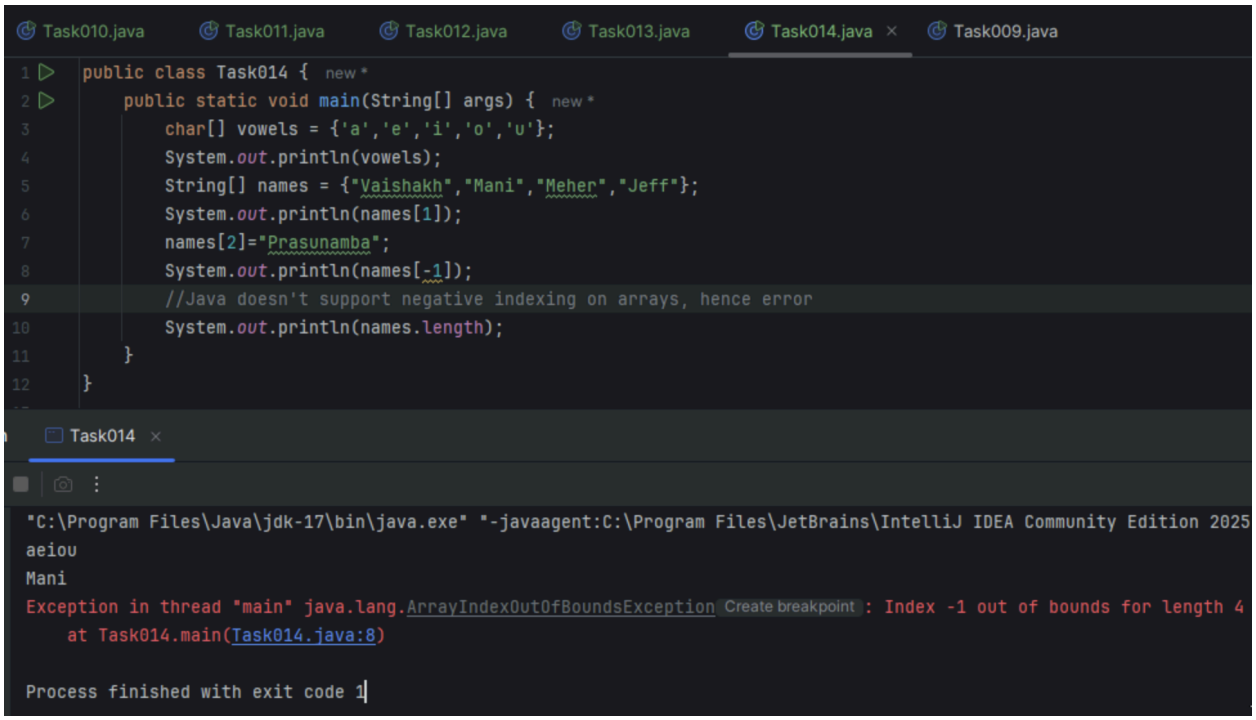
Task012 -


Task010.java
Task011.java
Task012.java
Task009.java
public class Task012 { new *
public static void main(String[] args) { new *
int count = 0;
while (loginid.equals("Vaishakh") && pwd.equals("12345")){
System.out.println("You have logged in for "+ ++count +" times");
System.out.print("Enter your loginid: ");
loginid = scanner.nextLine();
System.out.print("Enter your password: ");
pwd = scanner.nextLine();
}
System.out.println("Wrong loginid or password");
}
}
Task012
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\
Enter your loginid: Vaishakh
Enter your password: 12345
You have logged in for 1 times
Enter your loginid: Vaishakh
Enter your password: 12345
You have logged in for 2 times
Enter your loginid: 22
Enter your password: 22
Wrong loginid or password
Process finished with exit code 0

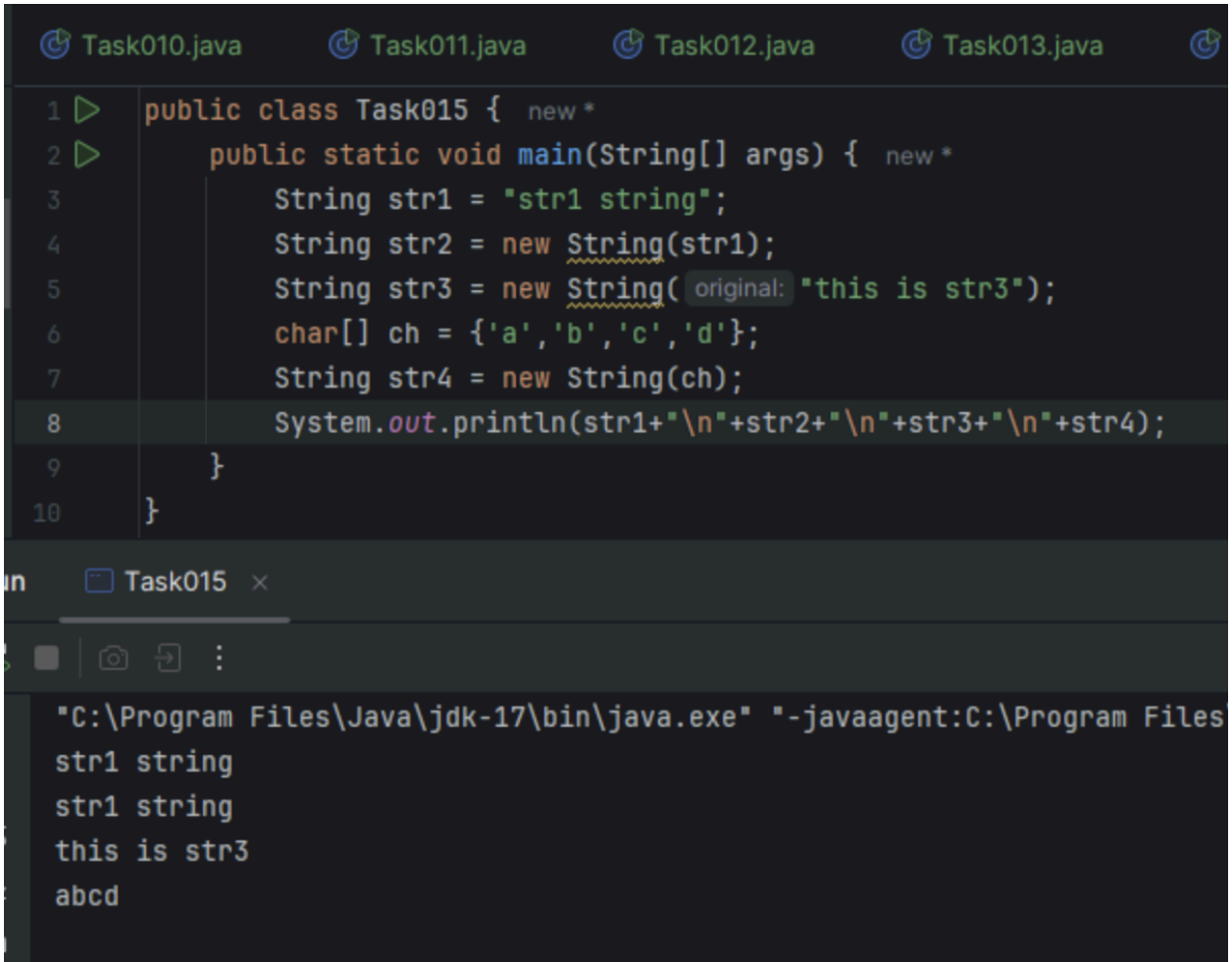
Task013 -


Task010.java
Task011.java
Task012.java
1 public class Task013 { new *
2 public static void main(String[] args) {
3 for(int i=10;i>0;i--){
4 if(i!=7 && i!=5){
5 System.out.println(i);
6 }
7 }
8 }
9 }
10
Task013
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaag
10
9
8
6
4
3
2
1
Process finished with exit code 0

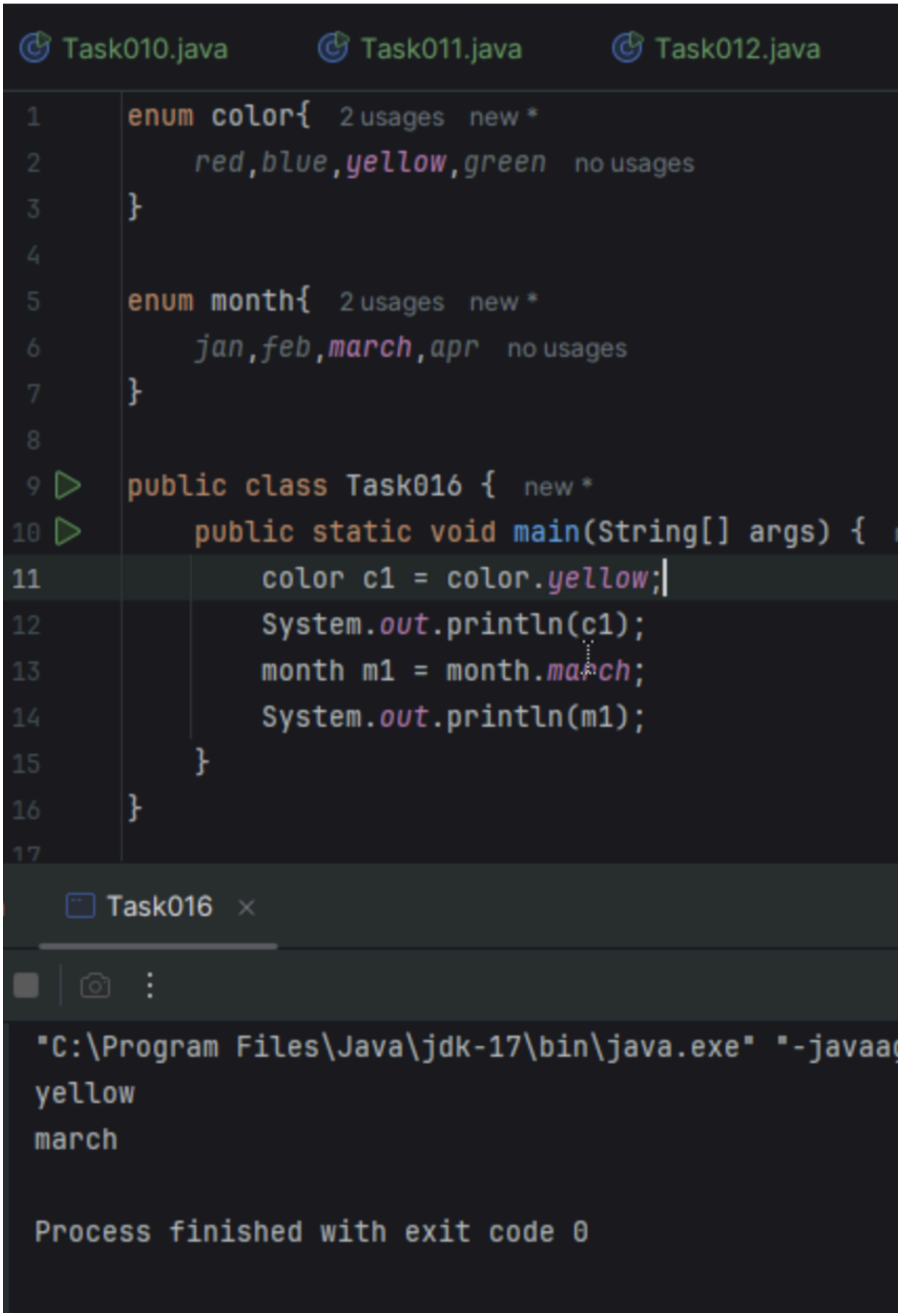
Task014 -



Task015 -



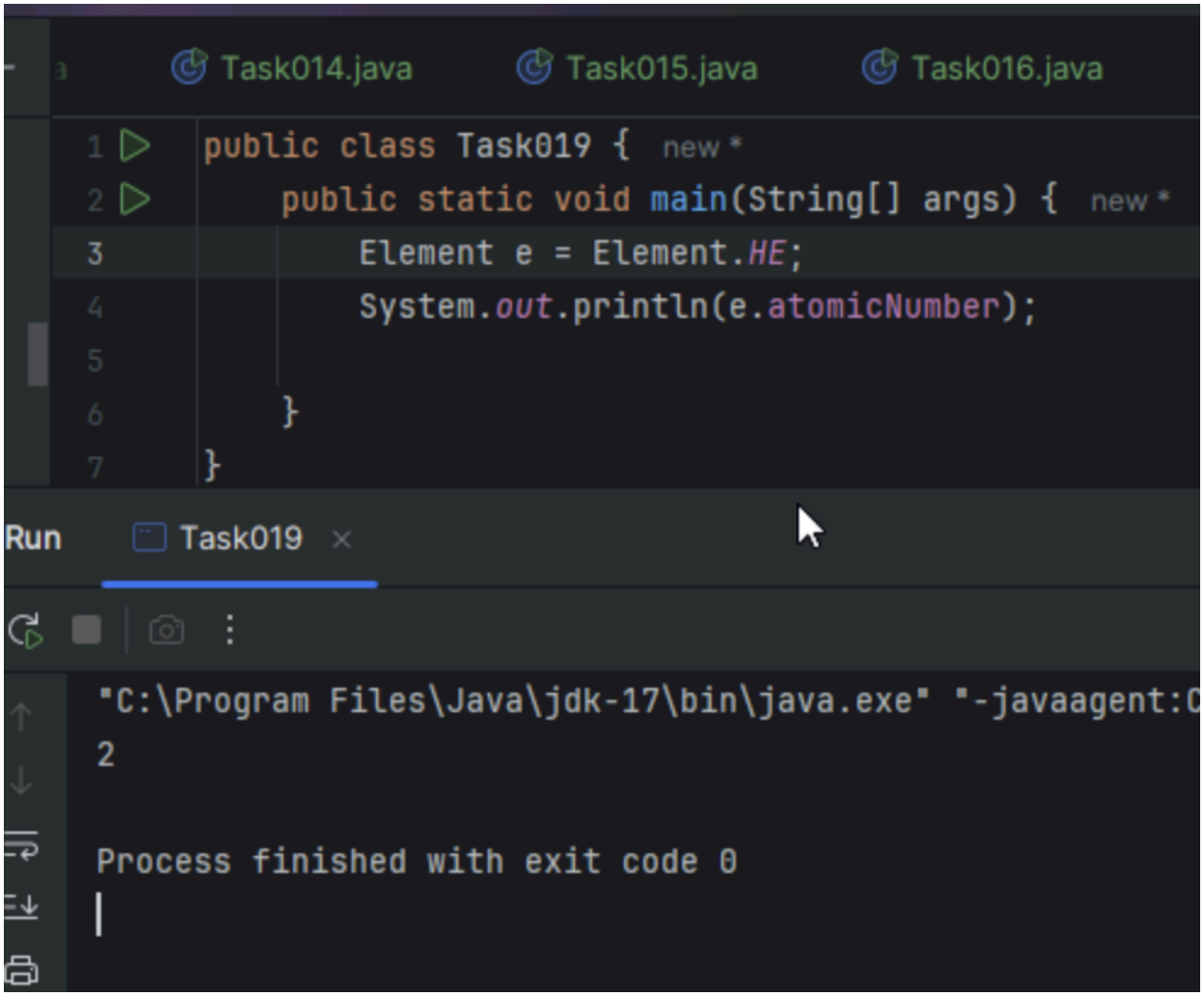
Task016 -


Task010.java
Task011.java
Task012.java
enum color{ 2 usages new *
red,blue,yellow,green no usages
}
enum month{ 2 usages new *
jan,feb,march,apr no usages
}
public class Task016 { new *
public static void main(String[] args) {
color c1 = color.yellow;
System.out.println(c1);
month m1 = month.march;
System.out.println(m1);
}
}
Task016
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaa
yellow
march
Process finished with exit code 0

Task017 -
The "name has private access in Person" error in Java (or similar languages) indicates that you are trying to access a field named "name" within the Person class, but that field is declared as private. Private fields can only be accessed from within the same class where they are defined. This error occurs when you try to access the private field from outside of the Person class.

Task018 -

Task019 -


Task014.java
Task015.java
Task016.java
public class Task019 { new *
public static void main(String[] args) { new *
Element e = Element.HE;
System.out.println(e.atomicNumber);
}
}
Run
Task019
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C
2
Process finished with exit code 0

Task020 -

```java
import java.util.Scanner;

public class Task020 {
    public static void main(String[] args) {
        System.out.print("Enter your name: ");
        Scanner scanner = new Scanner(System.in);
        char[] name = scanner.nextLine().toCharArray();
        System.out.println("Hello "+new String(name)+"!");
        int n = name.length;
        System.out.println("There are "+n+" letters in your name");
        System.out.println("Displaying all letters in your name");
        for (int i =0;i<n;i++){
            System.out.println(name[i]);
        }
    }
}
```

Task020

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\
Enter your name: vaishakh
Hello vaishakh!
There are 8 letters in your name
Displaying all letters in your name
v
a
i
s
h
a
k
h
```