GETS - GETTING EDUCATION WITH TECHNOLOGICAL SYSTEM

Instructor: Sir A.Rehman Ali Brohi

WRITE A PROGRAMS Using LOOPS

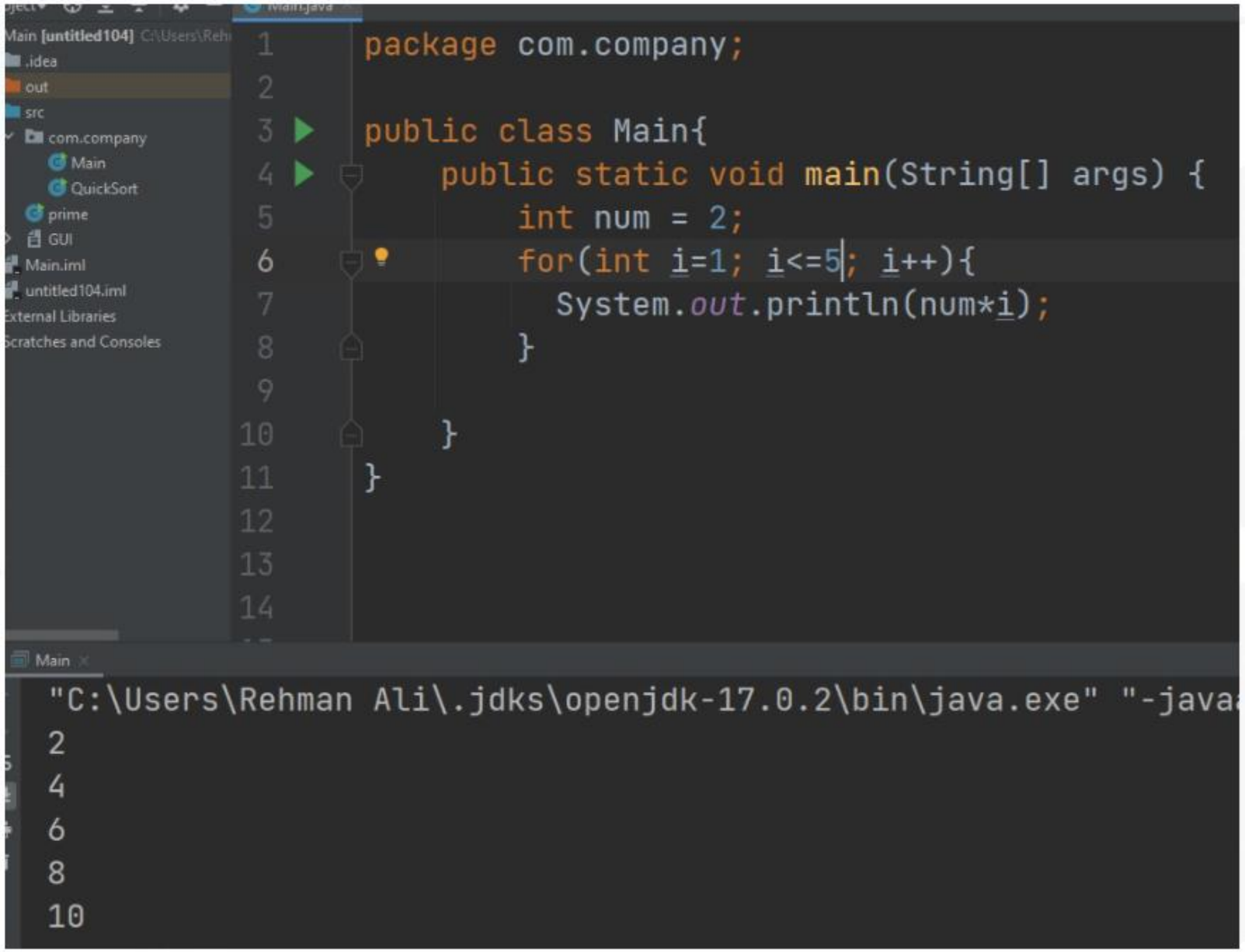
1. WAP: print EVEN numbers list like:

2
4
6
8
10

And also print like:

2,4,6,8,10

1. WAP: print Odd numbers



2. WAP: print EVEN numbers list but use selection statement for result:

2
4
6
8
10

And also print like:

2,4,6,8,10

2. Write a program

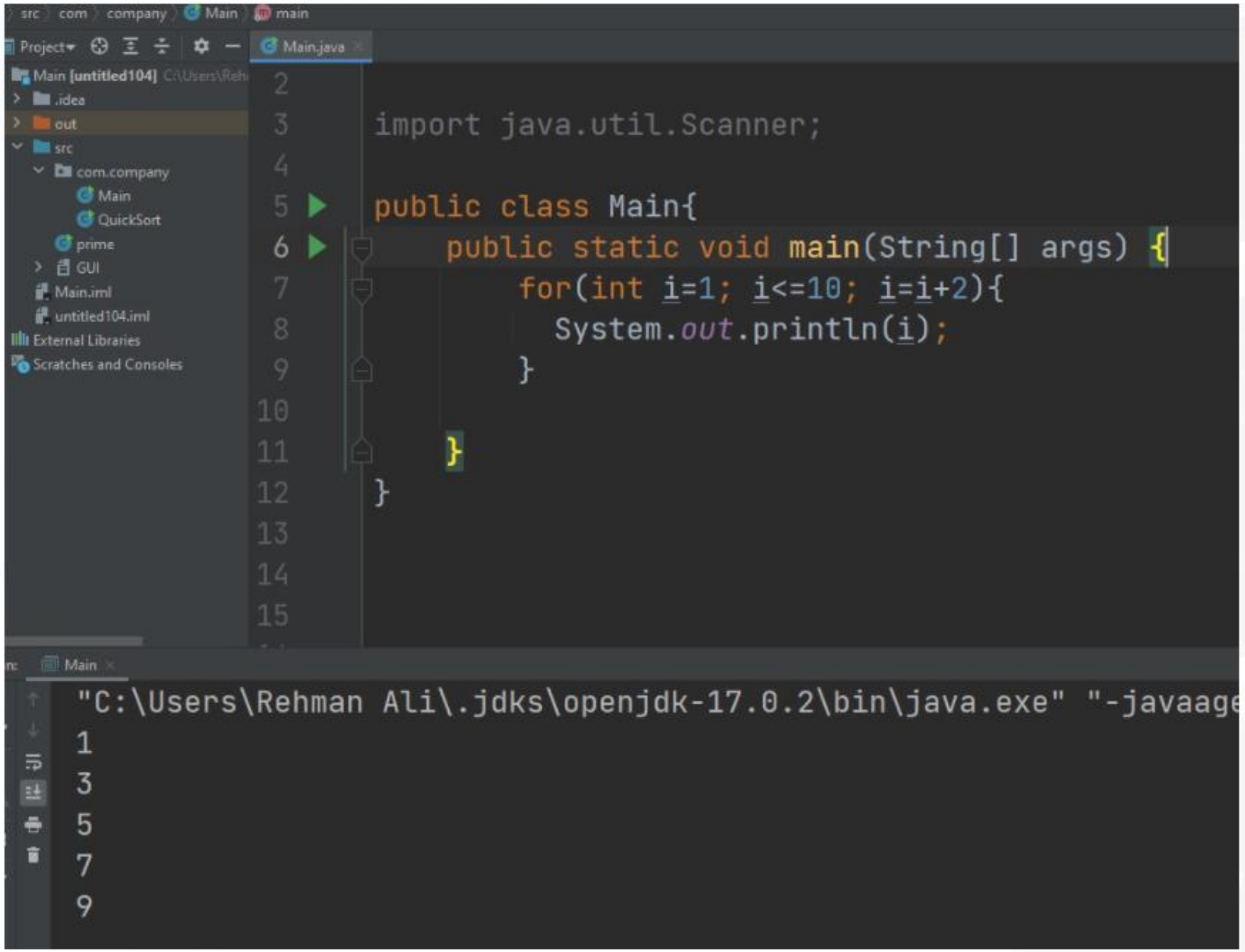
3. WAP: print Odd numbers list like:

1
3
5
7
9

And also print like:

1, 3,5,7,9

3. WAP: print EVEN numbers



4. WAP: print Odd numbers list but use selection statement for result:

1
3
5
7
9

And also print like:

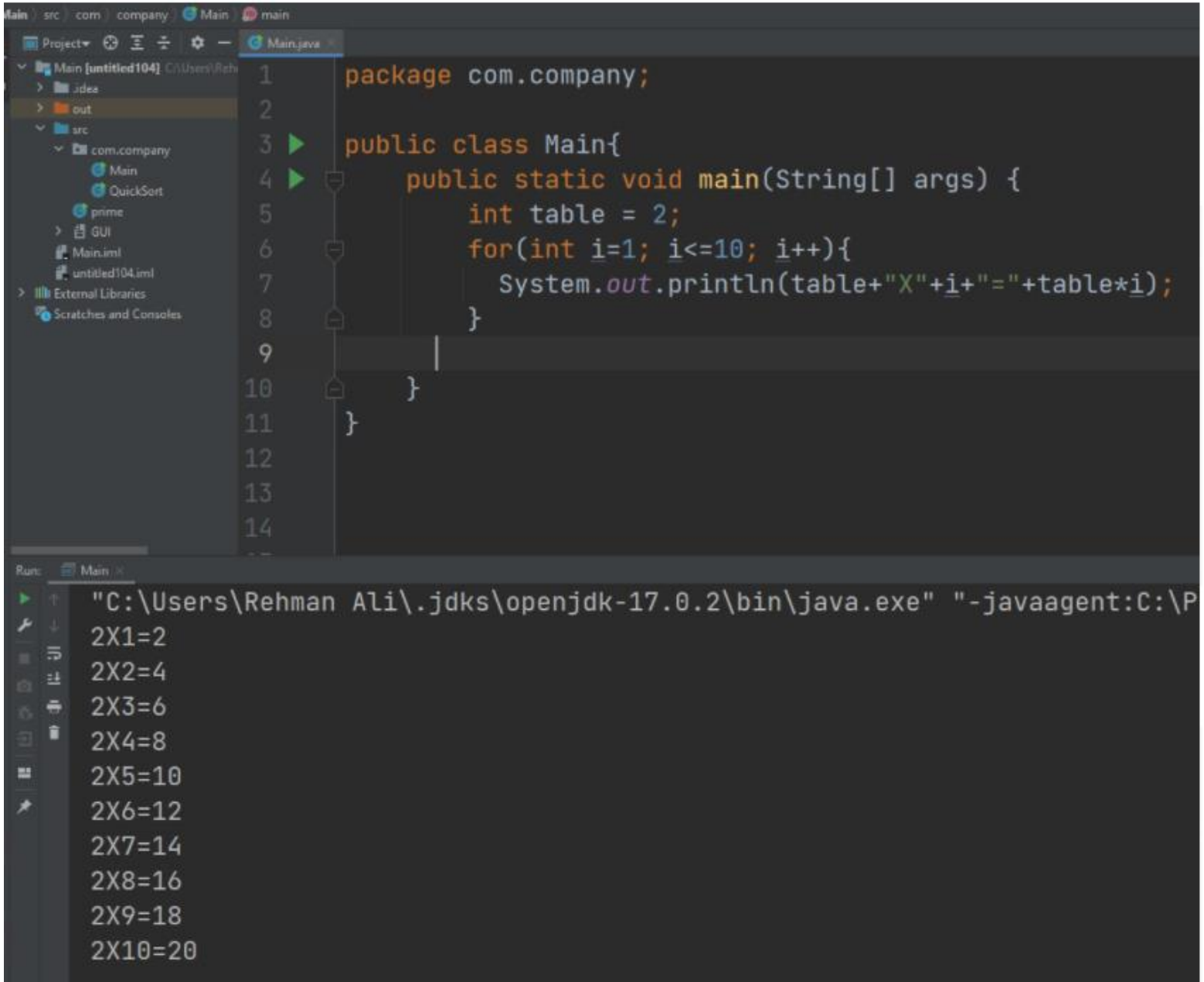
1, 3,5,7,9

4. Write a program

5. WAP: print multiple TABLE list like:

2x1=2
2x2=4
2x3=6
2x4=8
2x5=10
2x6=12
2x7=14
2x8=16
2x9=18
2x10=20

5. WAP: print multiple TABLE



6. WAP: print any multiple TABLE but also set limit means will end at 5 like:

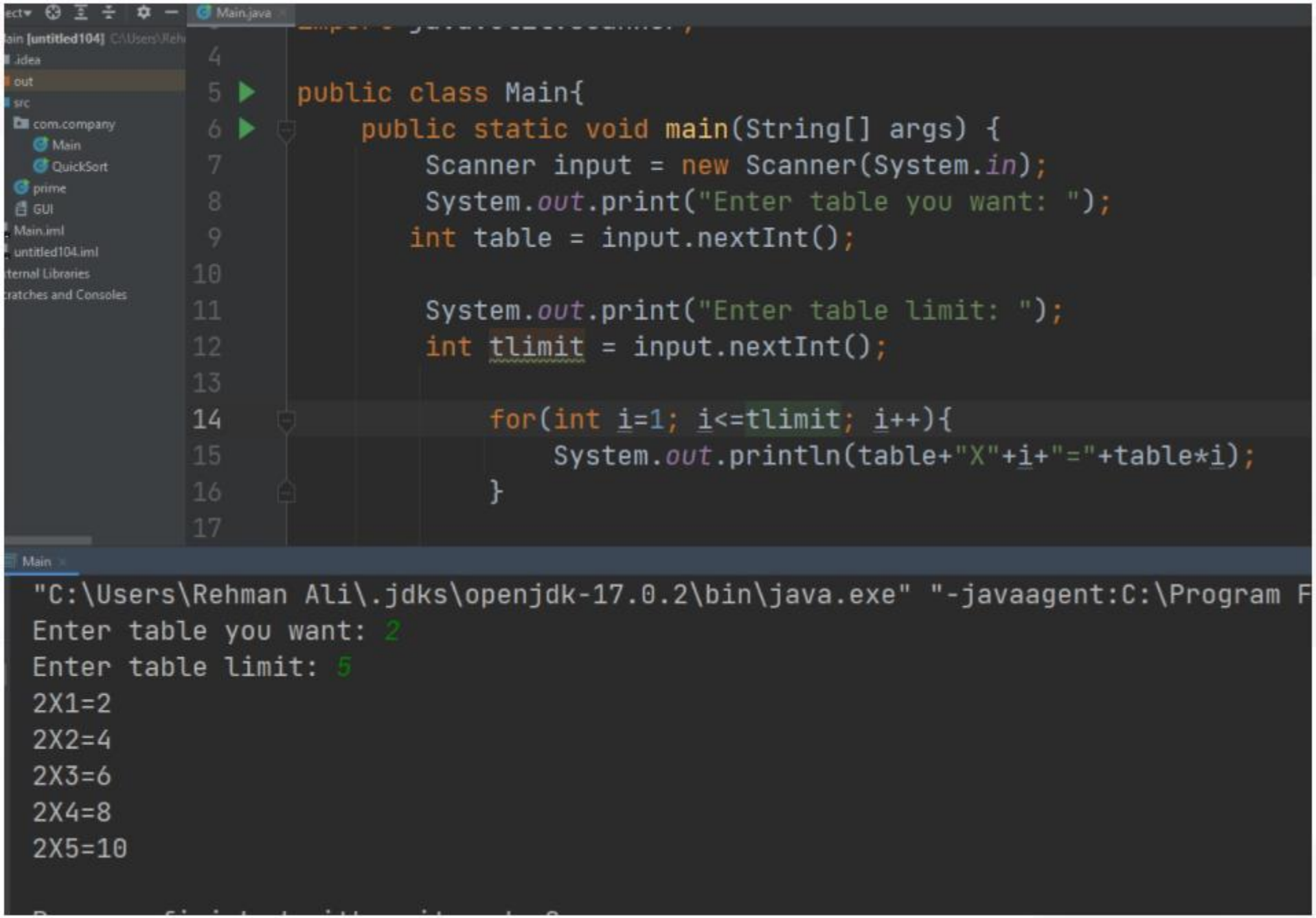
2x1=2

2x2=4

2x3=6

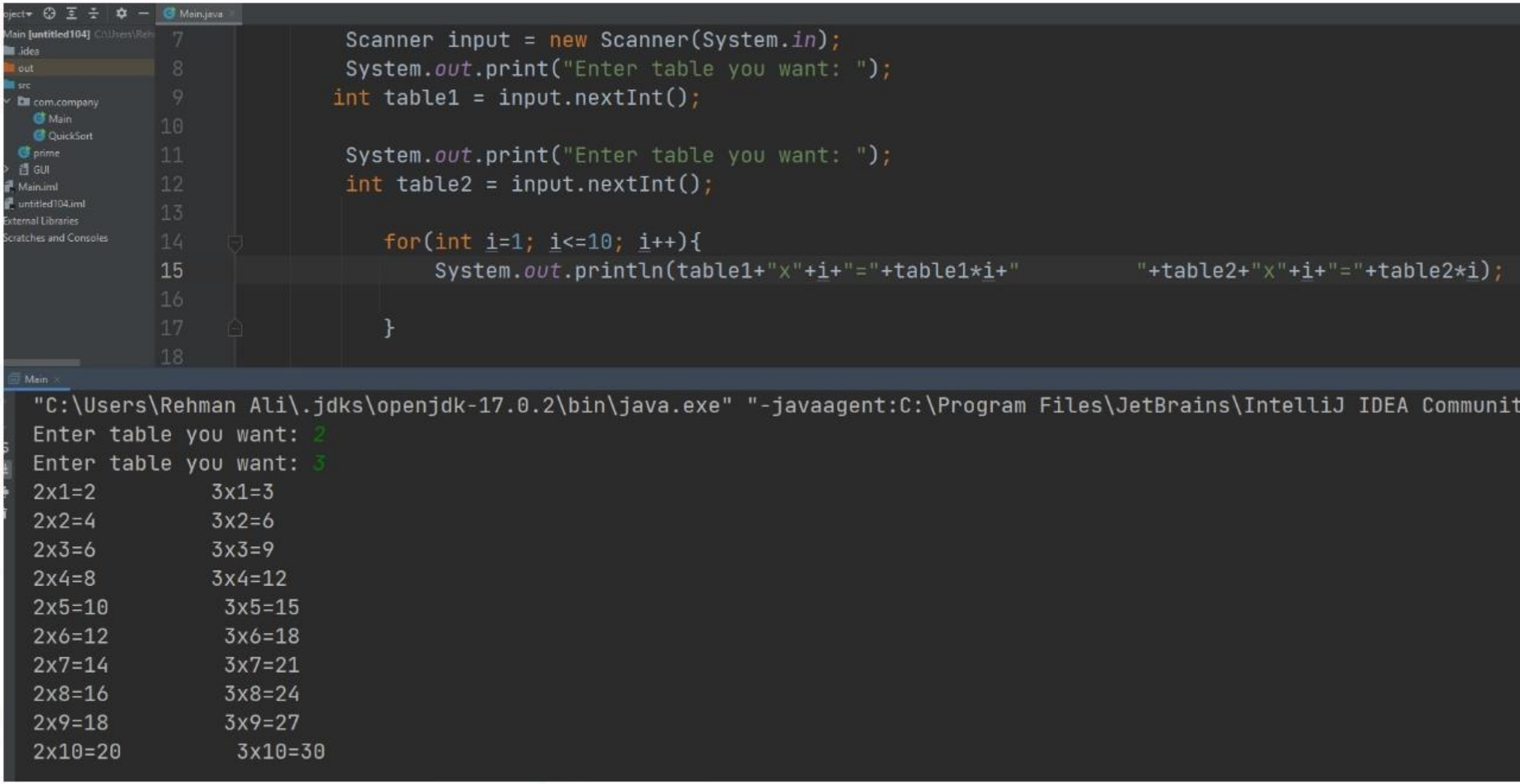
2x4=8

2x5=10

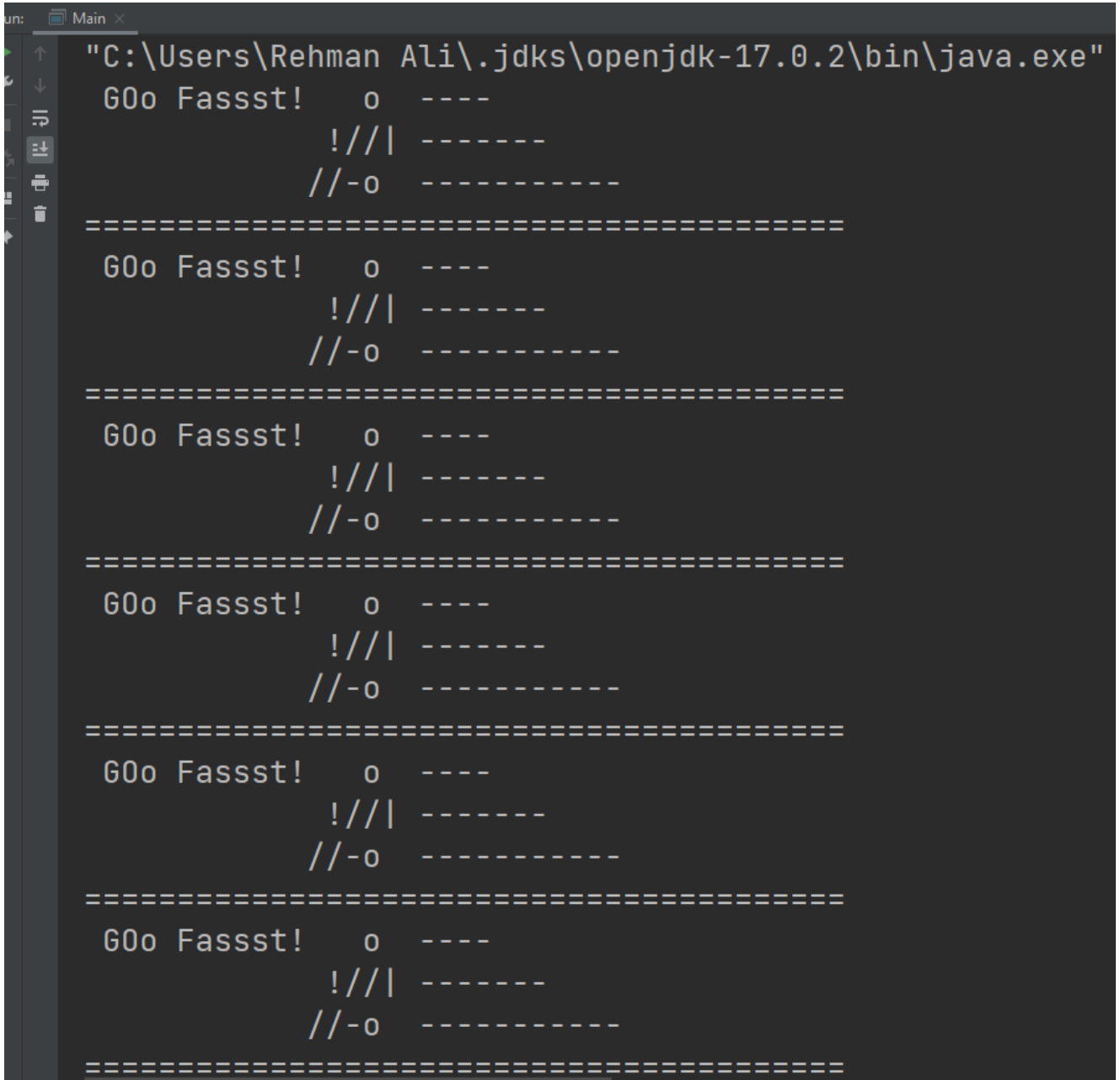

Main.java
.idea
out
src
com.company
Main
QuickSort
prime
GUI
Main.iml
untitled104.iml
ternal Libraries
ratches and Consoles
4
5
6
7
8
9
10
11
12
13
14
15
16
17
public class Main{
public static void main(String[] args) {
Scanner input = new Scanner(System.in);
System.out.print("Enter table you want: ");
int table = input.nextInt();
System.out.print("Enter table limit: ");
int tlimit = input.nextInt();
for(int i=1; i<=tlimit; i++){
System.out.println(table+"X"+i+"="+table*i);
}
Main
"C:\Users\Rehman Ali\.jdks\openjdk-17.0.2\bin\java.exe" "-javaagent:C:\Program F
Enter table you want: 2
Enter table limit: 5
2X1=2
2X2=4
2X3=6
2X4=8
2X5=10

7. WAP: print 2 and 3 multiple TABLE like:

2x1=2	3x1=3
2x2=4	3x2=6
2x3=6	3x3=9
2x4=8	3x4=12
2x5=10	3x5=15
2x6=12	3x6=18
2x7=14	3x7=21
2x8=16	3x8=24
2x9=18	3x9=27
2x10=20	3x10=30


Main.java
Main [untitled104]
.idea
out
src
com.company
Main
QuickSort
prime
GUI
Main.iml
untitled104.iml
External Libraries
Scratches and Consoles
Scanner input = new Scanner(System.in);
System.out.print("Enter table you want: ");
int table1 = input.nextInt();
System.out.print("Enter table you want: ");
int table2 = input.nextInt();
for(int i=1; i<=10; i++){
System.out.println(table1+"x"+i+"="+table1*i+" "+table2+"x"+i+"="+table2*i);
}
Main
"C:\Users\Rehman Ali\.jdks\openjdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Communit
Enter table you want: 2
Enter table you want: 3
2x1=2 3x1=3
2x2=4 3x2=6
2x3=6 3x3=9
2x4=8 3x4=12
2x5=10 3x5=15
2x6=12 3x6=18
2x7=14 3x7=21
2x8=16 3x8=24
2x9=18 3x9=27
2x10=20 3x10=30

8. WAP: that will print 6 times same as below



9. WAP: that will print Item Quantity 3

1st item price is: 10

2nd item price is: 20

3rd item price is: 30

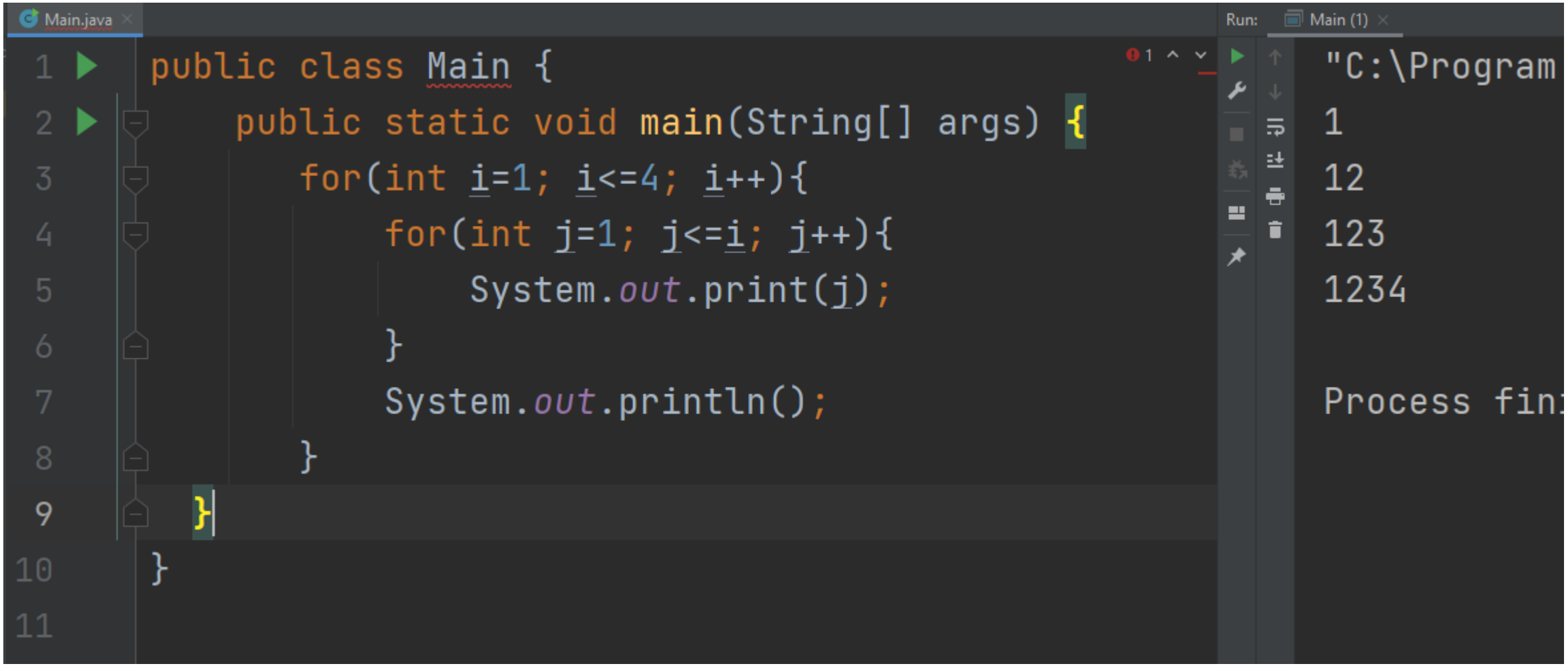
In last print

Total Amount of items are: 50

10. WAP: that will print if loop is 5 or 3

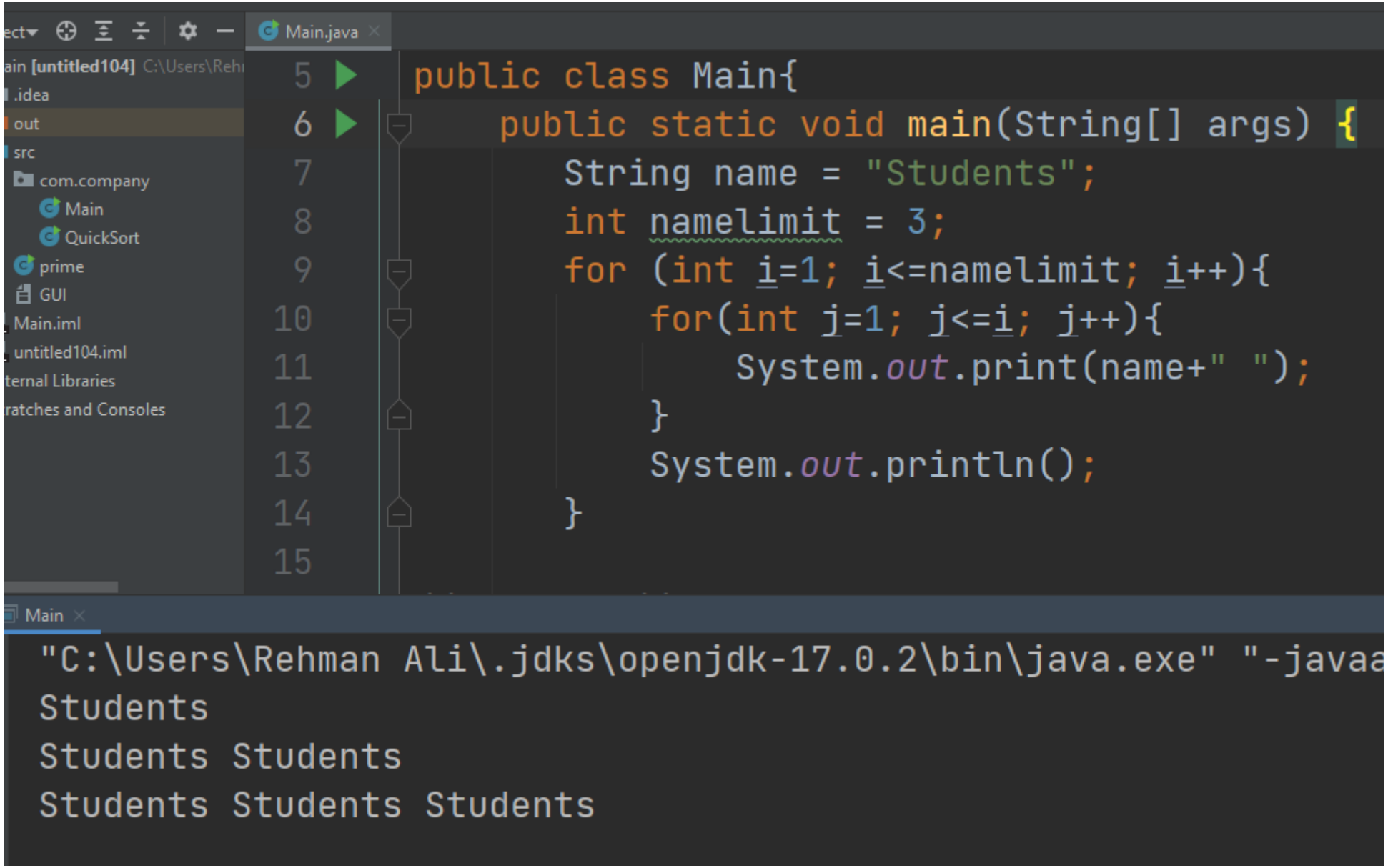
```
1
12
123
1234
12345
```

```
1
12
123
```


Main.java
public class Main {
public static void main(String[] args) {
for(int i=1; i<=4; i++){
for(int j=1; j<=i; j++){
System.out.print(j);
}
System.out.println();
}
}
}
Run:
Main (1)
"C:\Program
1
12
123
1234
Process fini

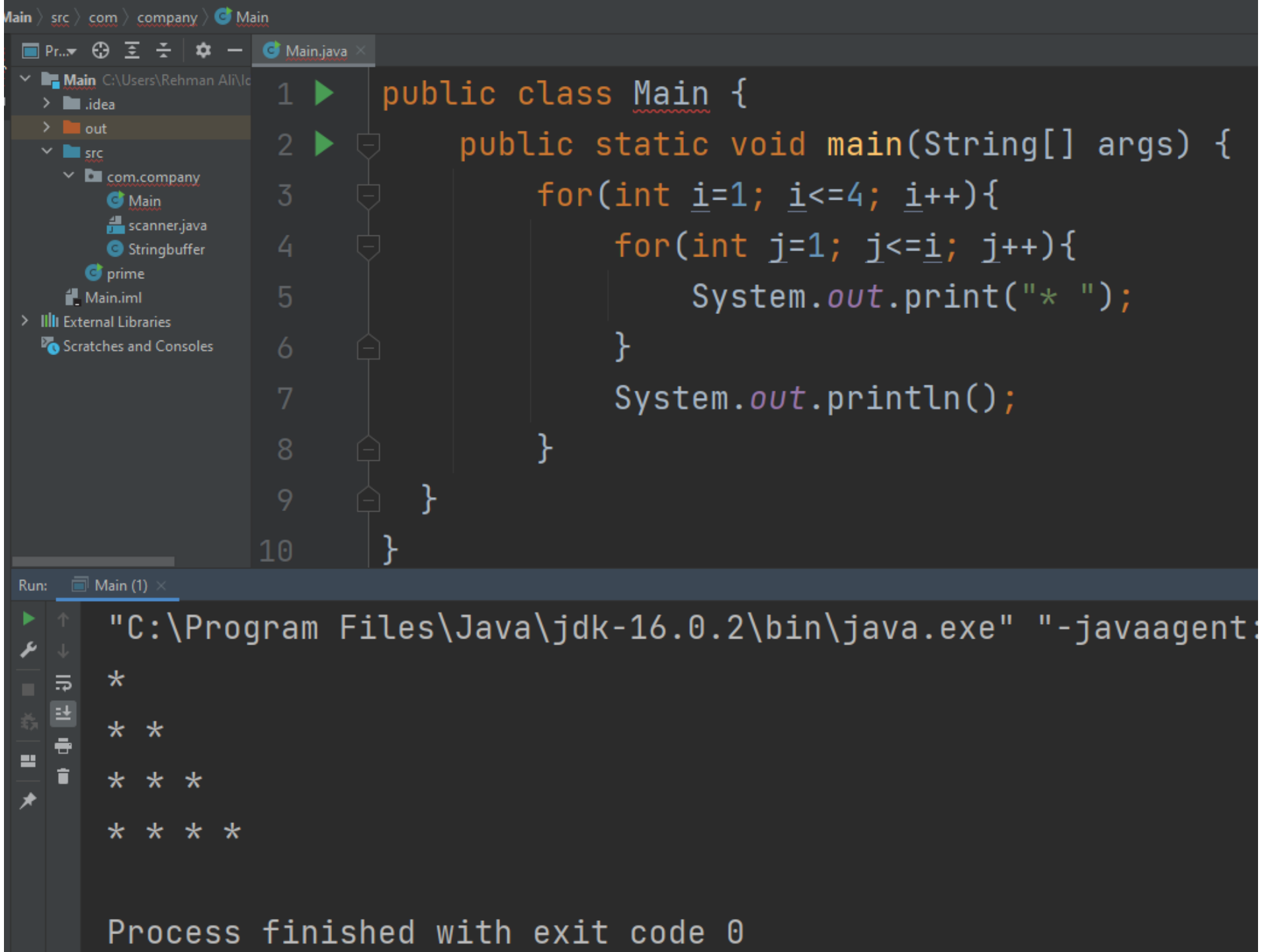
11. WAP: that will print words like:

Students
Students Students
Students Students Students

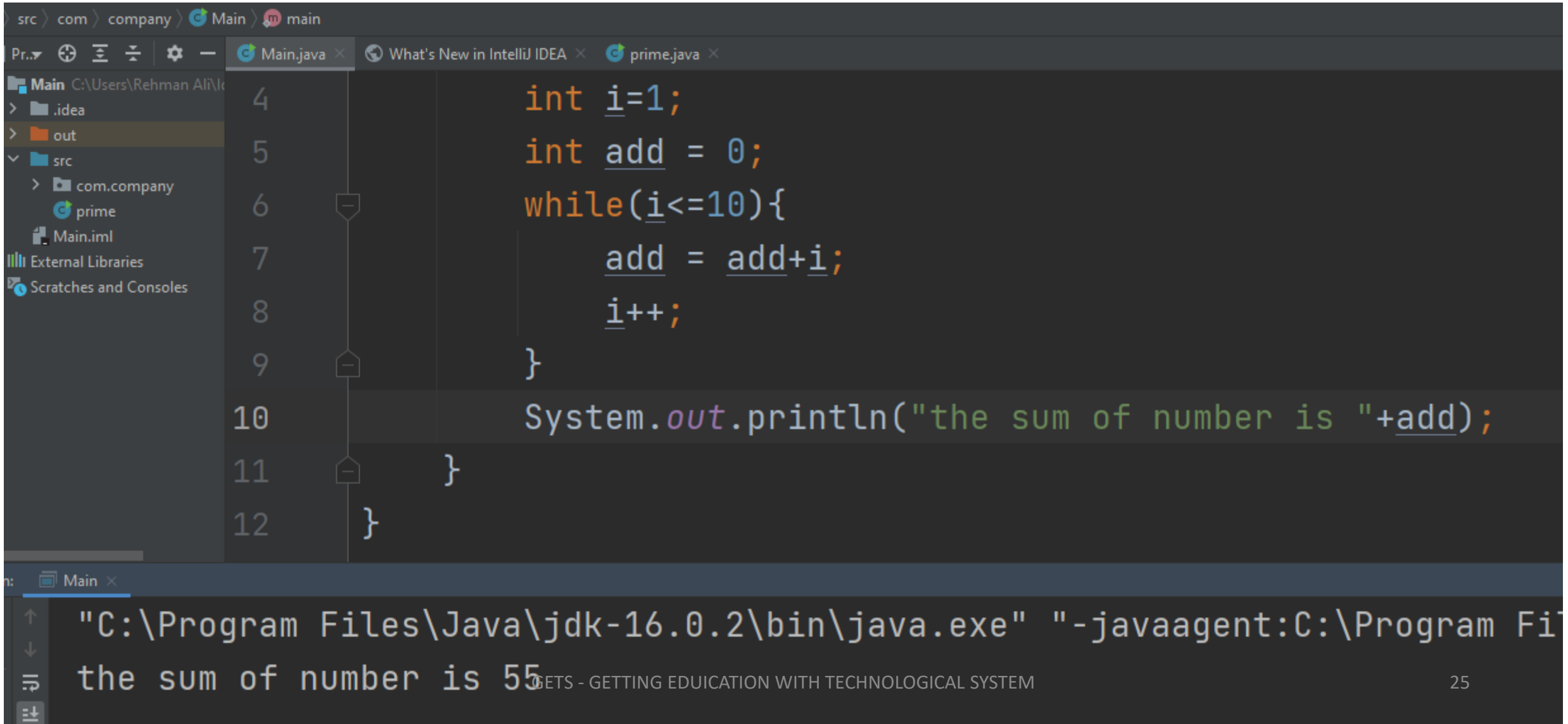

Main.java
ain [untitled104] C:\Users\Rehı
.idea
out
src
com.company
Main
QuickSort
prime
GUI
Main.iml
untitled104.iml
ternal Libraries
ratches and Consoles
5 public class Main{
6 public static void main(String[] args) {
7 String name = "Students";
8 int namelimit = 3;
9 for (int i=1; i<=namelimit; i++){
10 for(int j=1; j<=i; j++){
11 System.out.print(name+" ");
12 }
13 System.out.println();
14 }
15
Main
"C:\Users\Rehman Ali\.jdks\openjdk-17.0.2\bin\java.exe" "-javaa
Students
Students Students
Students Students Students

12. WAP: that will print stars like:

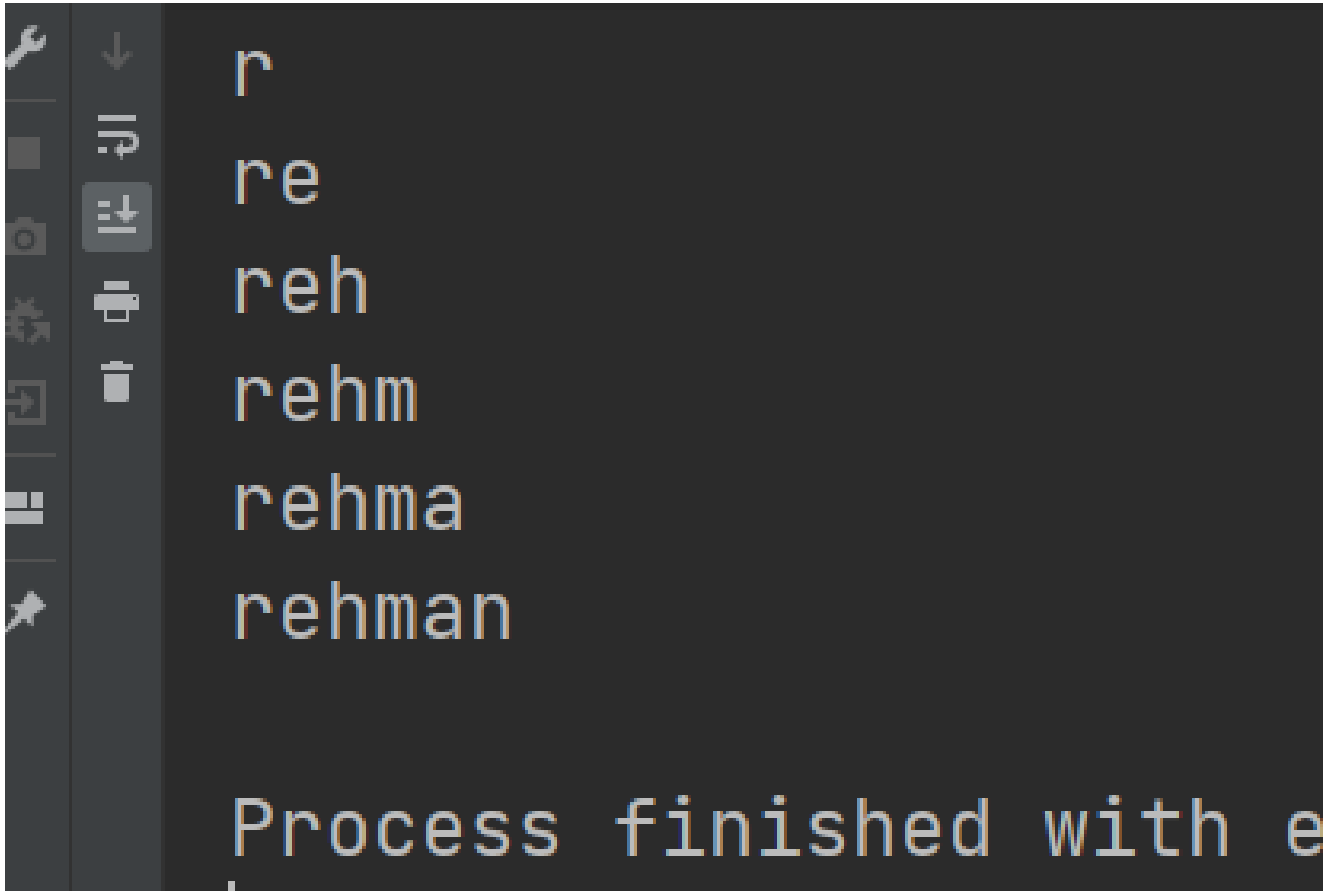
```
*
**
***
****
*****
```


Main src com company Main
Main.java
Main C:\Users\Rehman Ali\Ic
.idea
out
src
com.company
Main
scanner.java
Stringbuffer
prime
Main.iml
External Libraries
Scratches and Consoles
public class Main {
public static void main(String[] args) {
for(int i=1; i<=4; i++){
for(int j=1; j<=i; j++){
System.out.print("* ");
}
System.out.println();
}
}
}
Run:
Main (1)
"C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:
*
* *
* * *
* * * *
Process finished with exit code 0

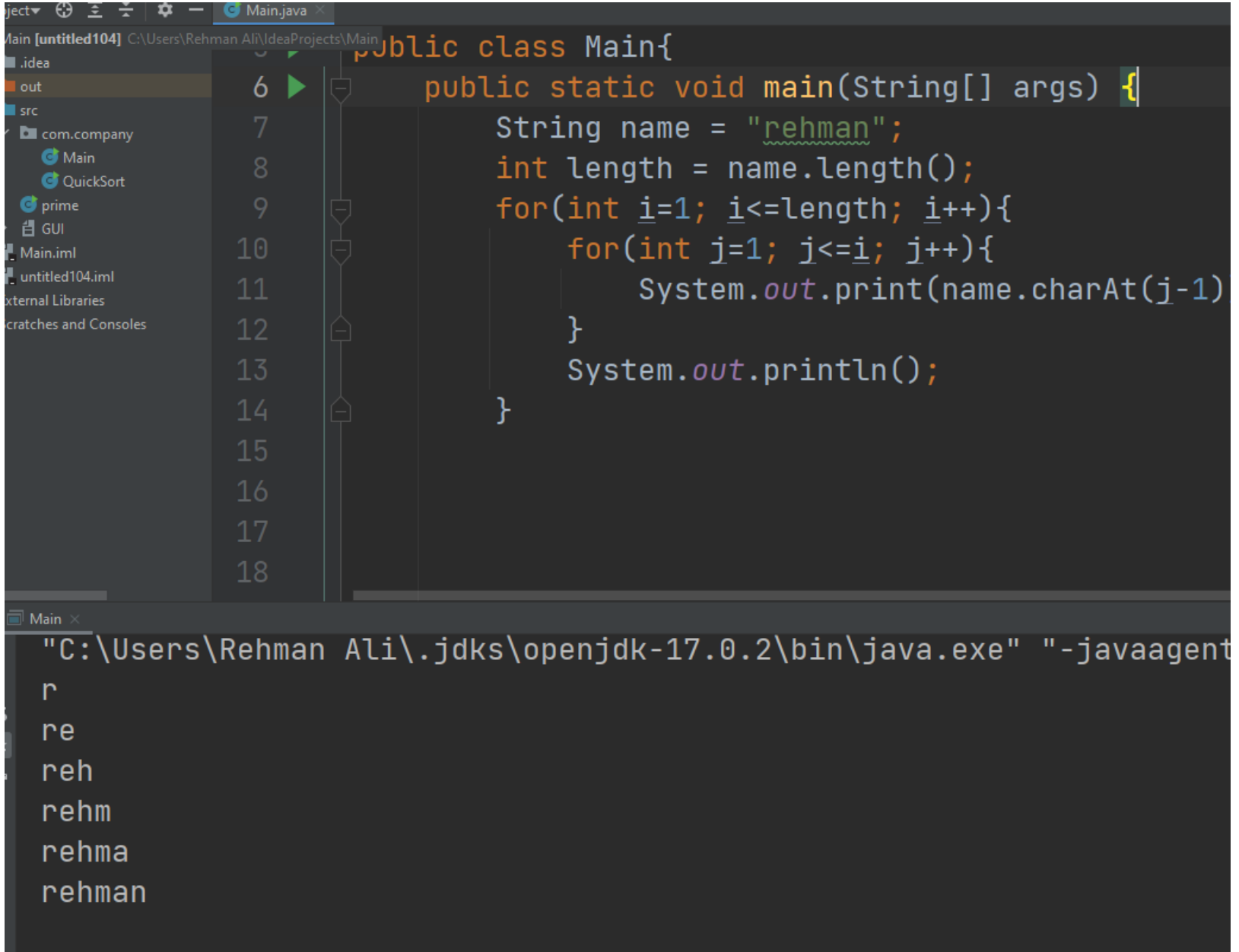
13. JAVA WHILE LOOP



14. JAVA name pattern program

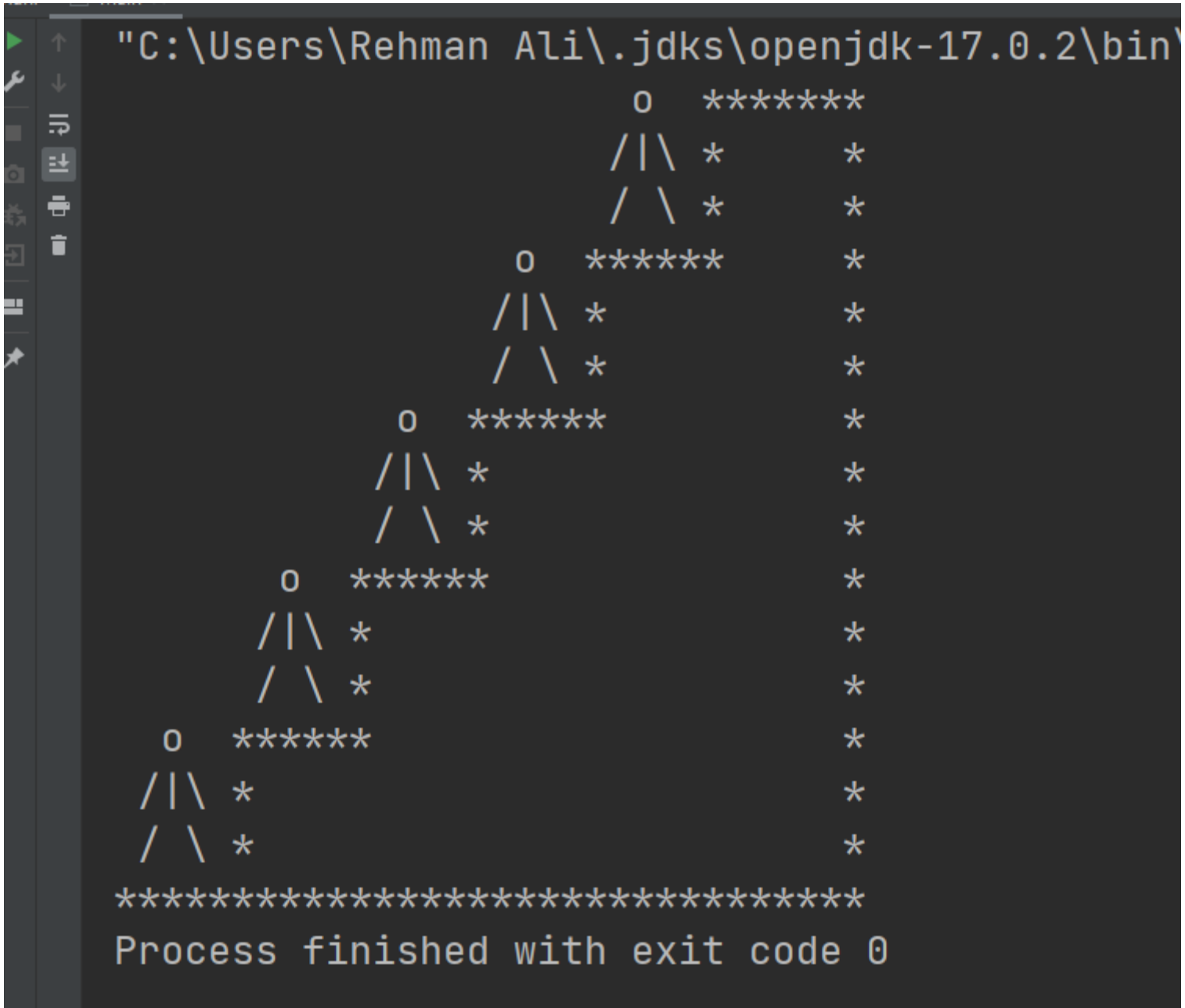


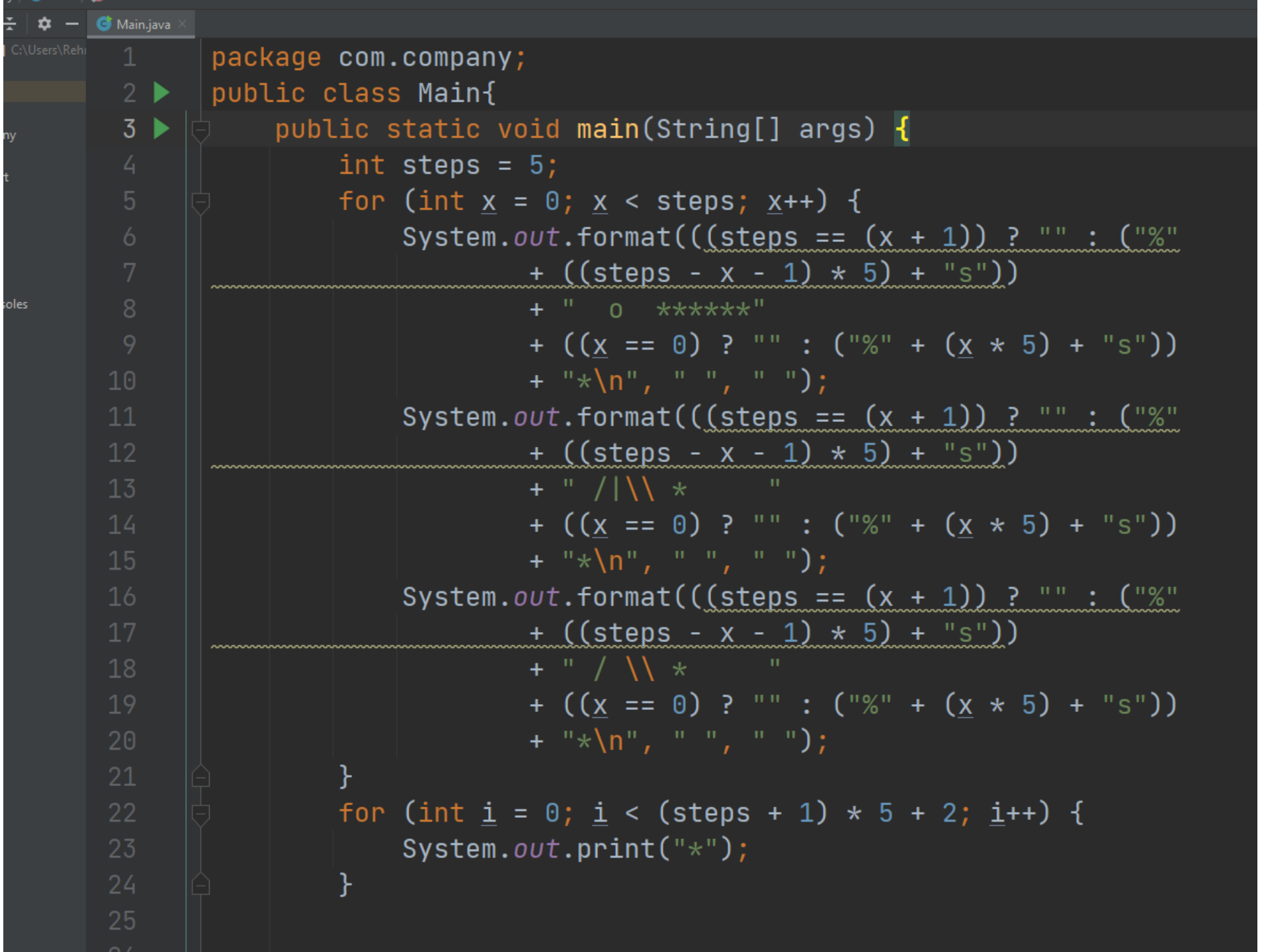
14. JAVA name pattern program



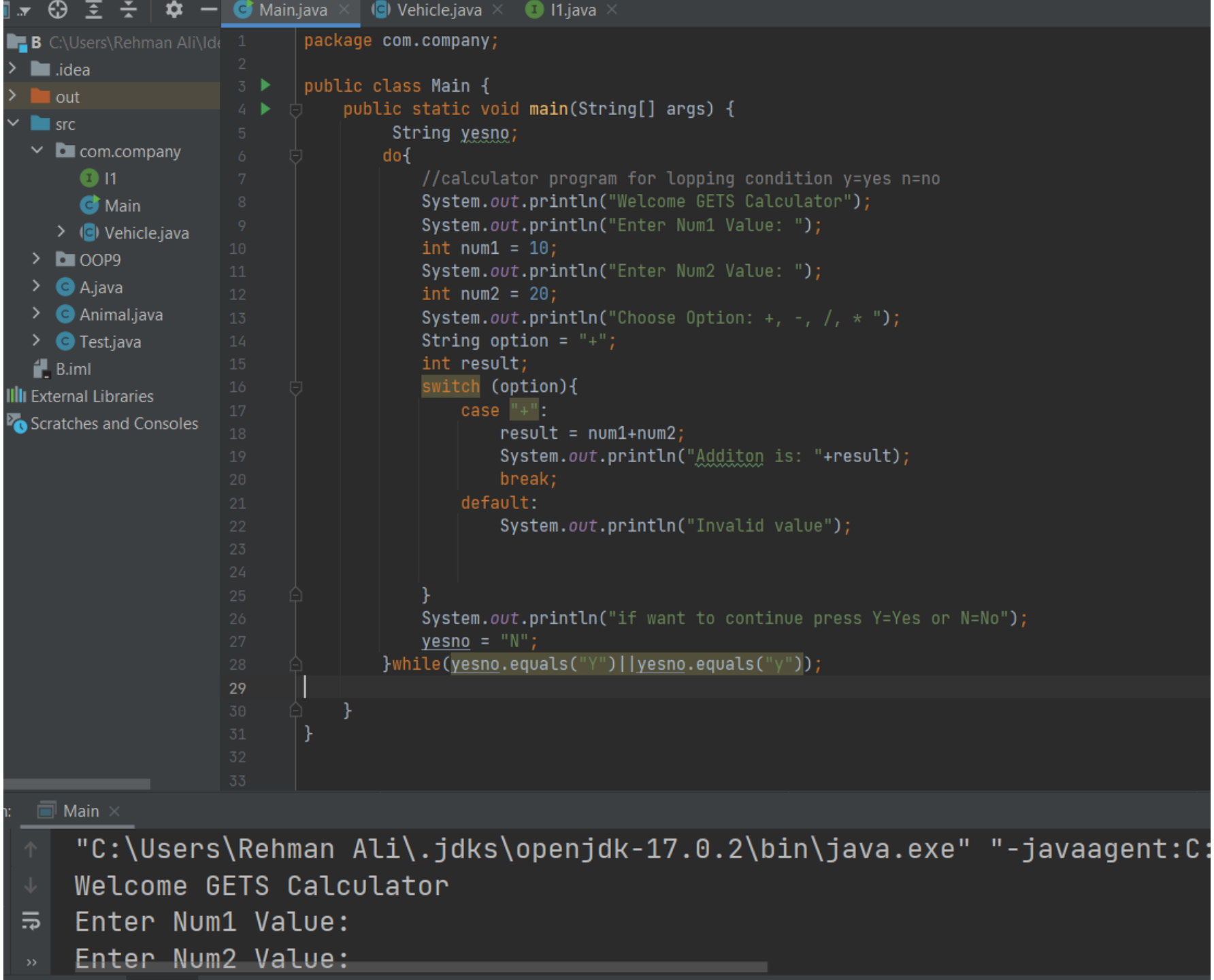
15. JAVA character pattern program using single loop

15. Stickman claiming stairs programs




Main.java
package com.company;
public class Main{
public static void main(String[] args) {
int steps = 5;
for (int x = 0; x < steps; x++) {
System.out.format(((steps == (x + 1)) ? "" : ("%"
+ ((steps - x - 1) * 5) + "s"))
+ " o ******"
+ ((x == 0) ? "" : ("%" + (x * 5) + "s"))
+ "*\n", " ", " ");
System.out.format(((steps == (x + 1)) ? "" : ("%"
+ ((steps - x - 1) * 5) + "s"))
+ " /|\\ *   "
+ ((x == 0) ? "" : ("%" + (x * 5) + "s"))
+ "*\n", " ", " ");
System.out.format(((steps == (x + 1)) ? "" : ("%"
+ ((steps - x - 1) * 5) + "s"))
+ " / \\ *   "
+ ((x == 0) ? "" : ("%" + (x * 5) + "s"))
+ "*\n", " ", " ");
}
for (int i = 0; i < (steps + 1) * 5 + 2; i++) {
System.out.print("*");
}

16. WAP: create a calculator using loop display again others option like Y=yes or N=exit


Main.java
Vehicle.java
I1.java
C:\Users\Rehman Ali\Id
.idea
out
src
com.company
I1
Main
Vehicle.java
OOP9
A.java
Animal.java
Test.java
B.iml
External Libraries
Scratches and Consoles
package com.company;
public class Main {
public static void main(String[] args) {
String yesno;
do{
//calculator program for lopping condition y=yes n=no
System.out.println("Welcome GETS Calculator");
System.out.println("Enter Num1 Value: ");
int num1 = 10;
System.out.println("Enter Num2 Value: ");
int num2 = 20;
System.out.println("Choose Option: +, -, /, * ");
String option = "+";
int result;
switch (option){
case "+":
result = num1+num2;
System.out.println("Additon is: "+result);
break;
default:
System.out.println("Invalid value");
}
System.out.println("if want to continue press Y=Yes or N=No");
yesno = "N";
}while(yesno.equals("Y")||yesno.equals("y"));
}
}
Main
"C:\Users\Rehman Ali\.jdks\openjdk-17.0.2\bin\java.exe" "-javaagent:C:
Welcome GETS Calculator
Enter Num1 Value:
Enter Num2 Value: