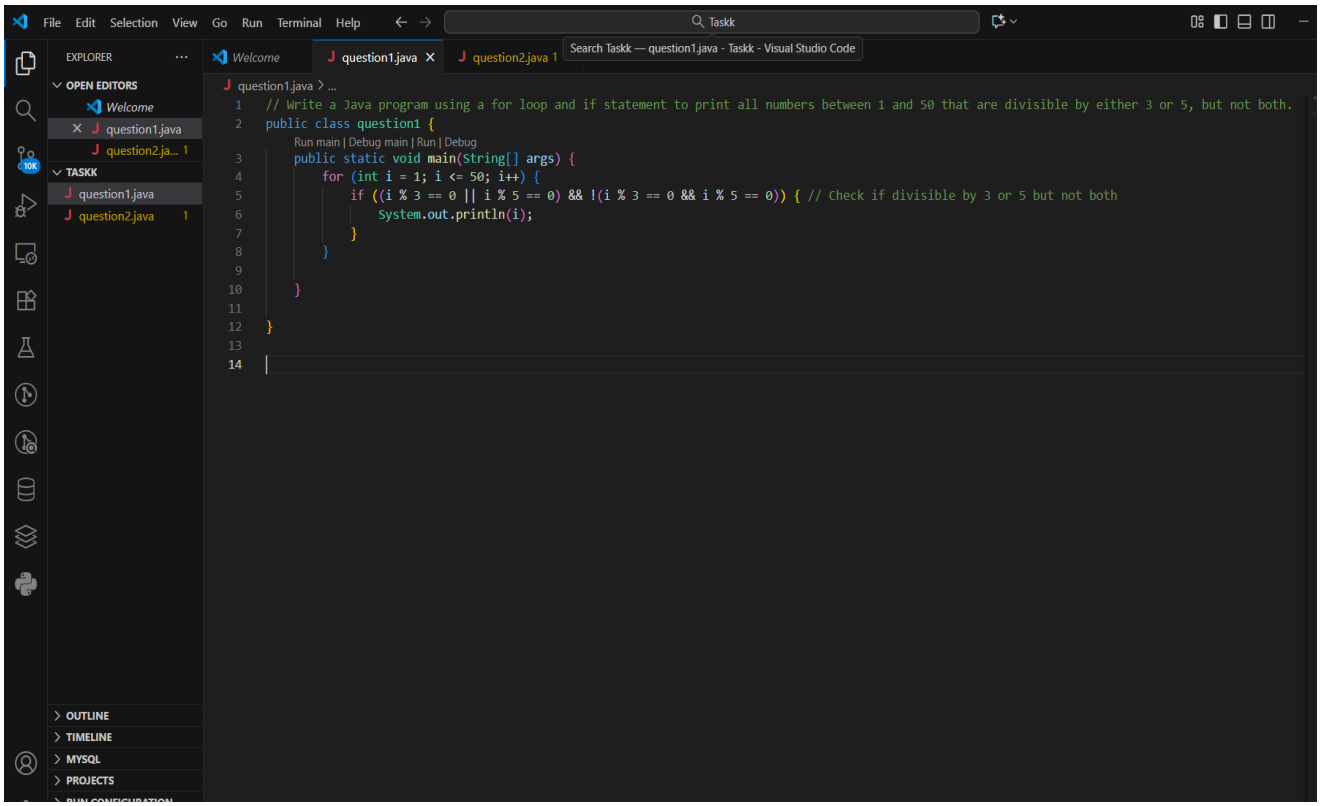
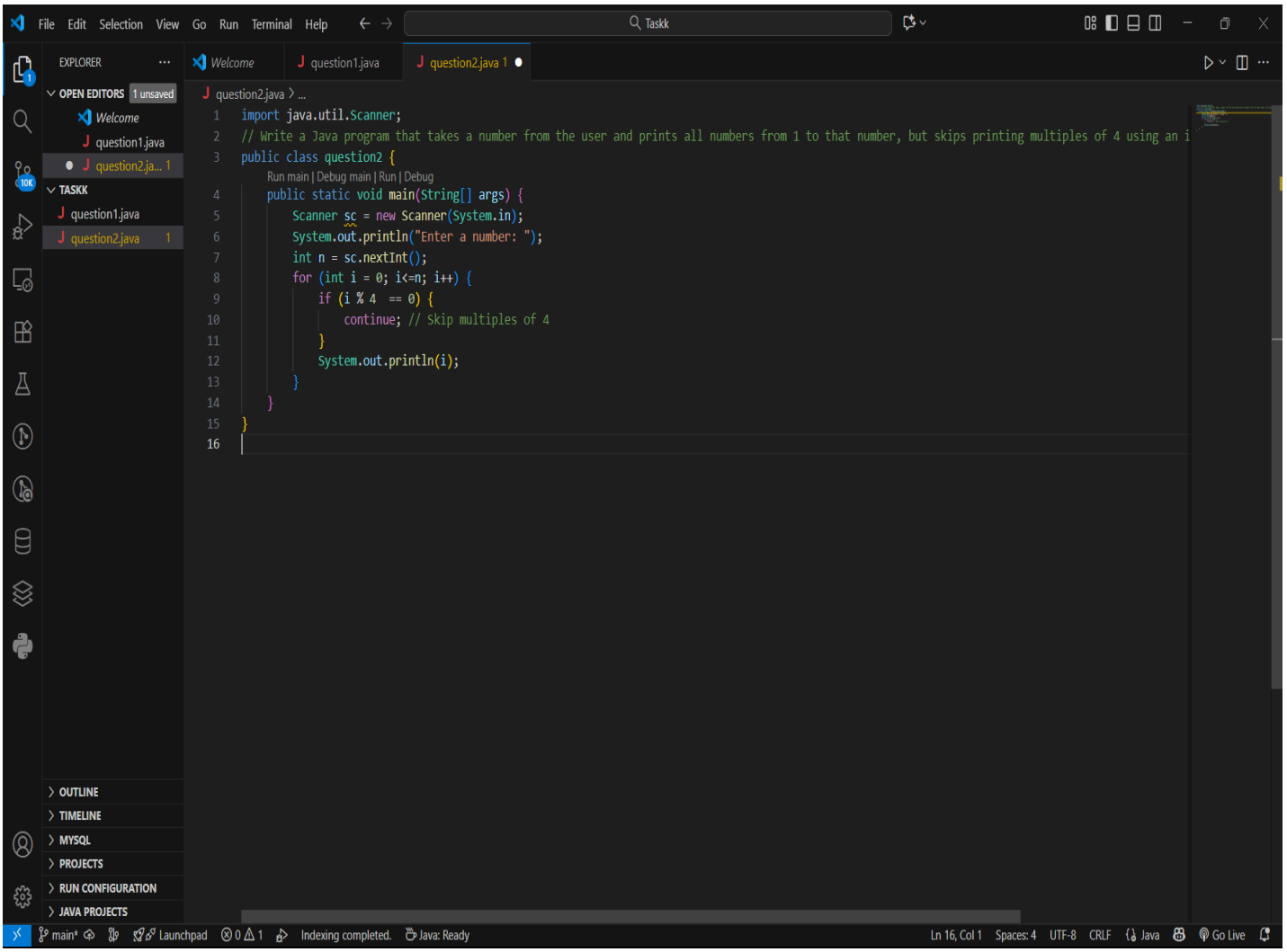
1.



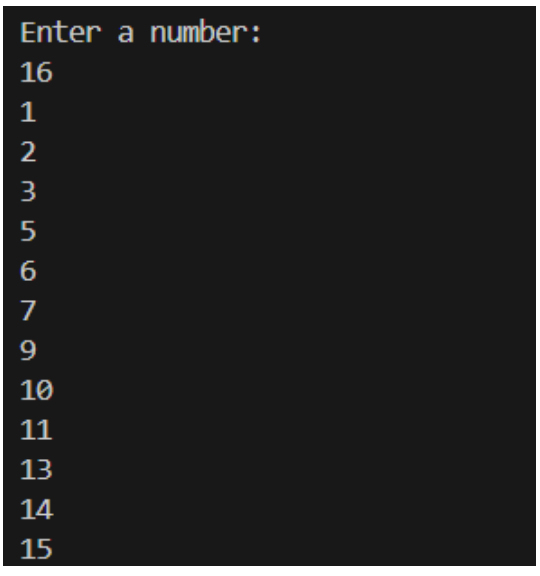
Output:

```
3
5
6
9
10
12
18
20
21
24
25
27
33
35
36
39
40
42
48
50
```

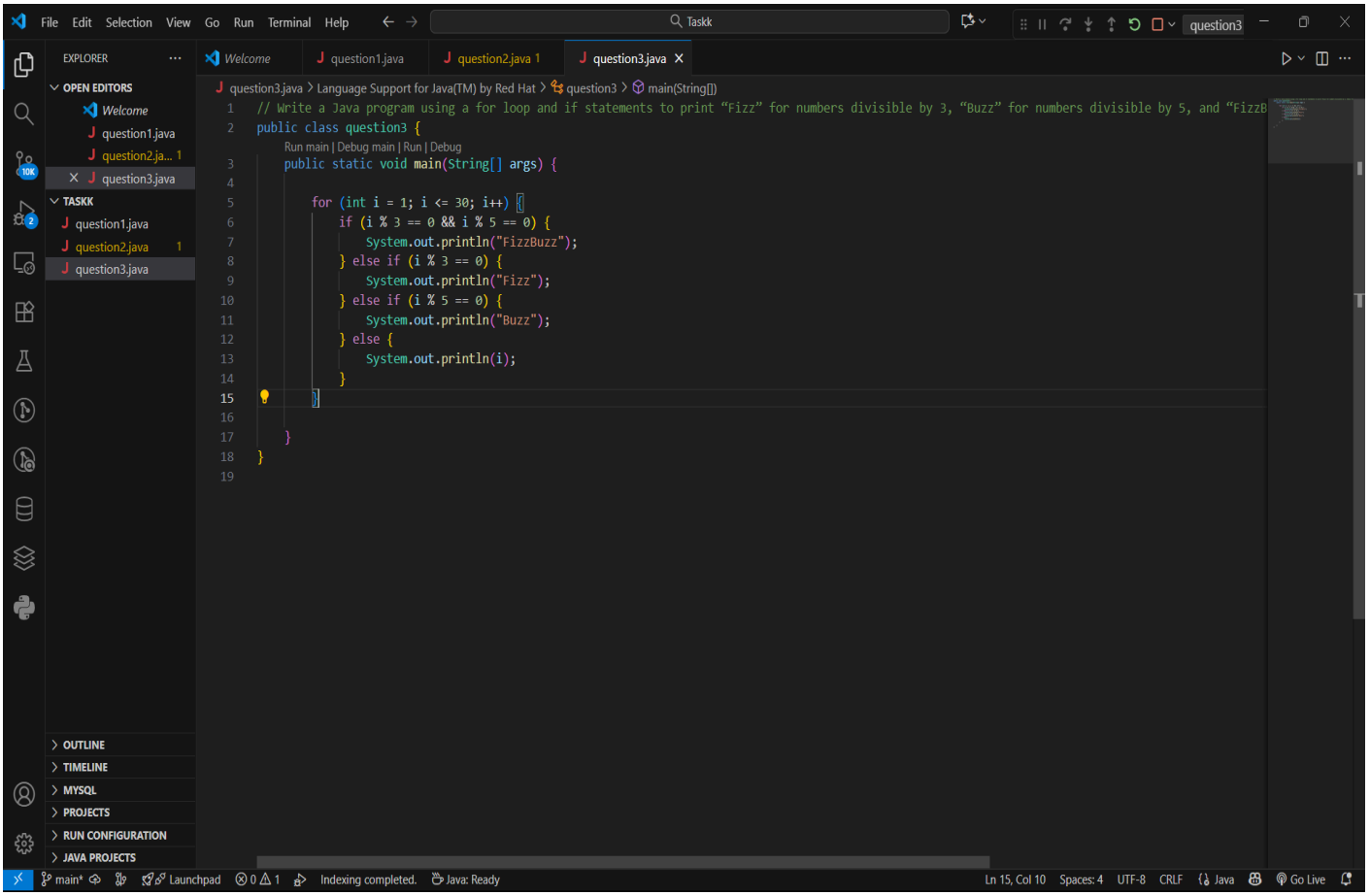
2.


File Edit Selection View Go Run Terminal Help
Taskk
EXPLORER
OPEN EDITORS 1 unsaved
Welcome
question1.java
question2.ja... 1
TASKK
question1.java
question2.java 1
Welcome
question1.java
question2.java 1
question2.java > ...
1 import java.util.Scanner;
2 // Write a Java program that takes a number from the user and prints all numbers from 1 to that number, but skips printing multiples of 4 using an i
3 public class question2 {
Run main | Debug main | Run | Debug
4 public static void main(String[] args) {
5 Scanner sc = new Scanner(System.in);
6 System.out.println("Enter a number: ");
7 int n = sc.nextInt();
8 for (int i = 0; i<=n; i++) {
9 if (i % 4 == 0) {
10 continue; // Skip multiples of 4
11 }
12 System.out.println(i);
13 }
14 }
15 }
16
OUTLINE
TIMELINE
MYSQL
PROJECTS
RUN CONFIGURATION
JAVA PROJECTS
main* Launchpad 0 1 Indexing completed. Java: Ready
Ln 16, Col 1 Spaces: 4 UTF-8 CRLF Java Go Live

Output:


Enter a number:
16
1
2
3
5
6
7
9
10
11
13
14
15

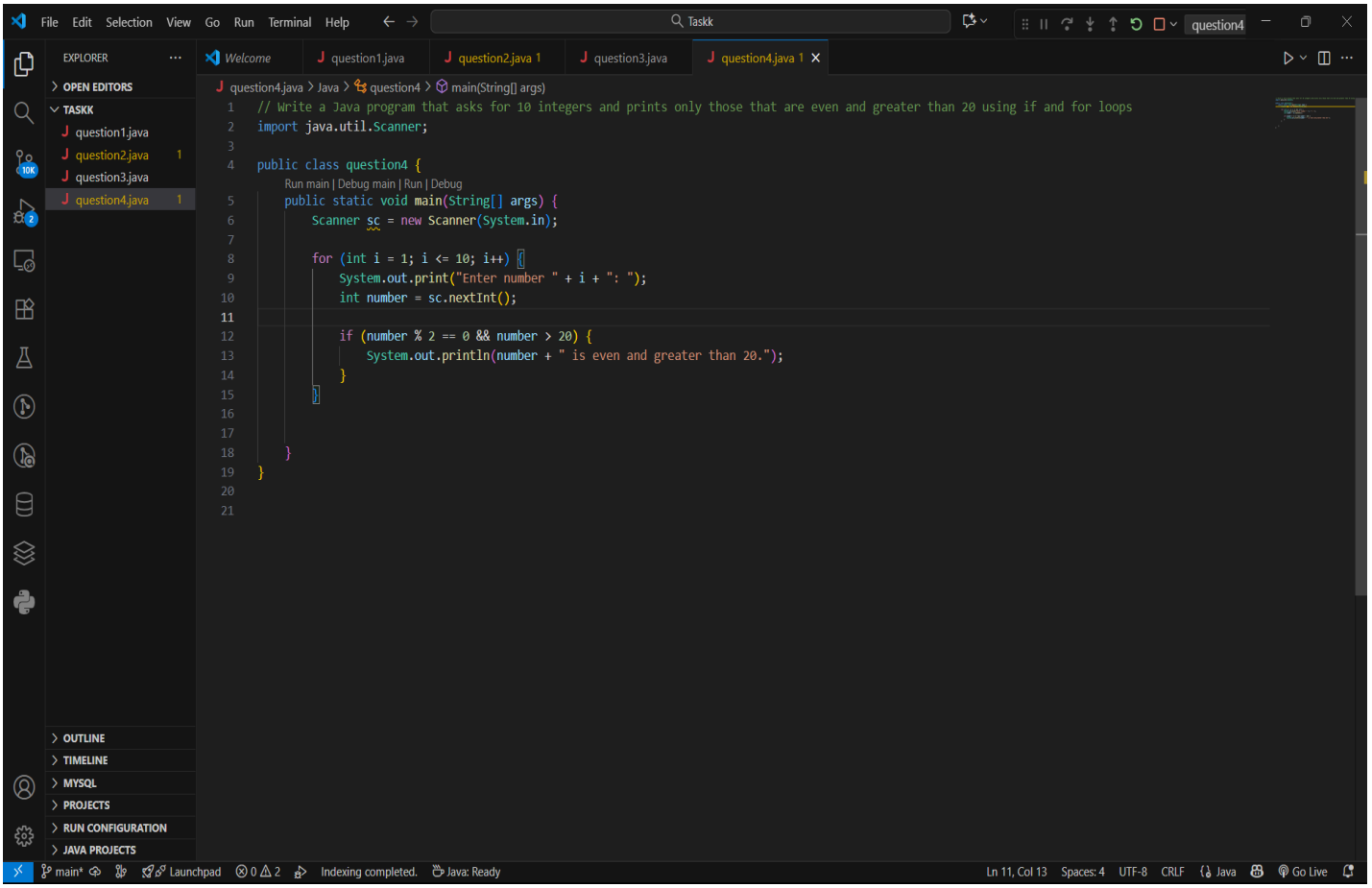
3.



Output:

```
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
16
17
Fizz
19
Buzz
Fizz
22
23
Fizz
Buzz
26
Fizz
28
29
FizzBuzz
```

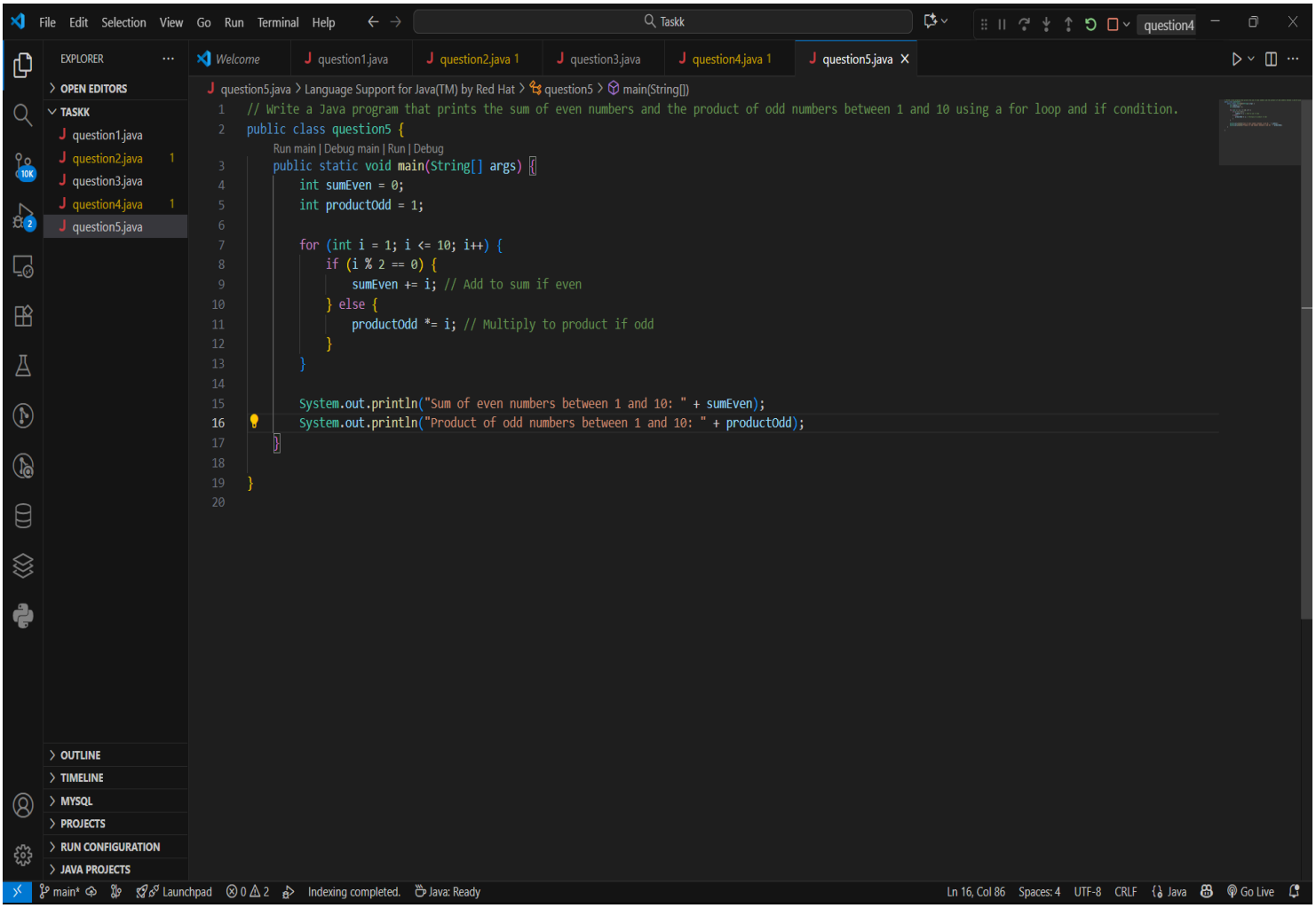
4.



Output:

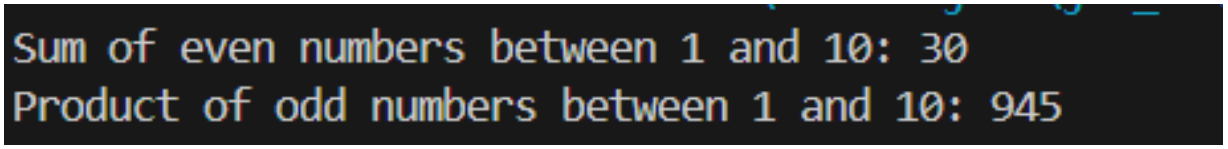
```
Enter number 1: 22
22 is even and greater than 20.
Enter number 2: 24
24 is even and greater than 20.
Enter number 3: 23
Enter number 4: 28
28 is even and greater than 20.
Enter number 5: 24
24 is even and greater than 20.
Enter number 6: 15
Enter number 7: 12
Enter number 8: 14
Enter number 9: 16
Enter number 10: 22
22 is even and greater than 20.
```

5.



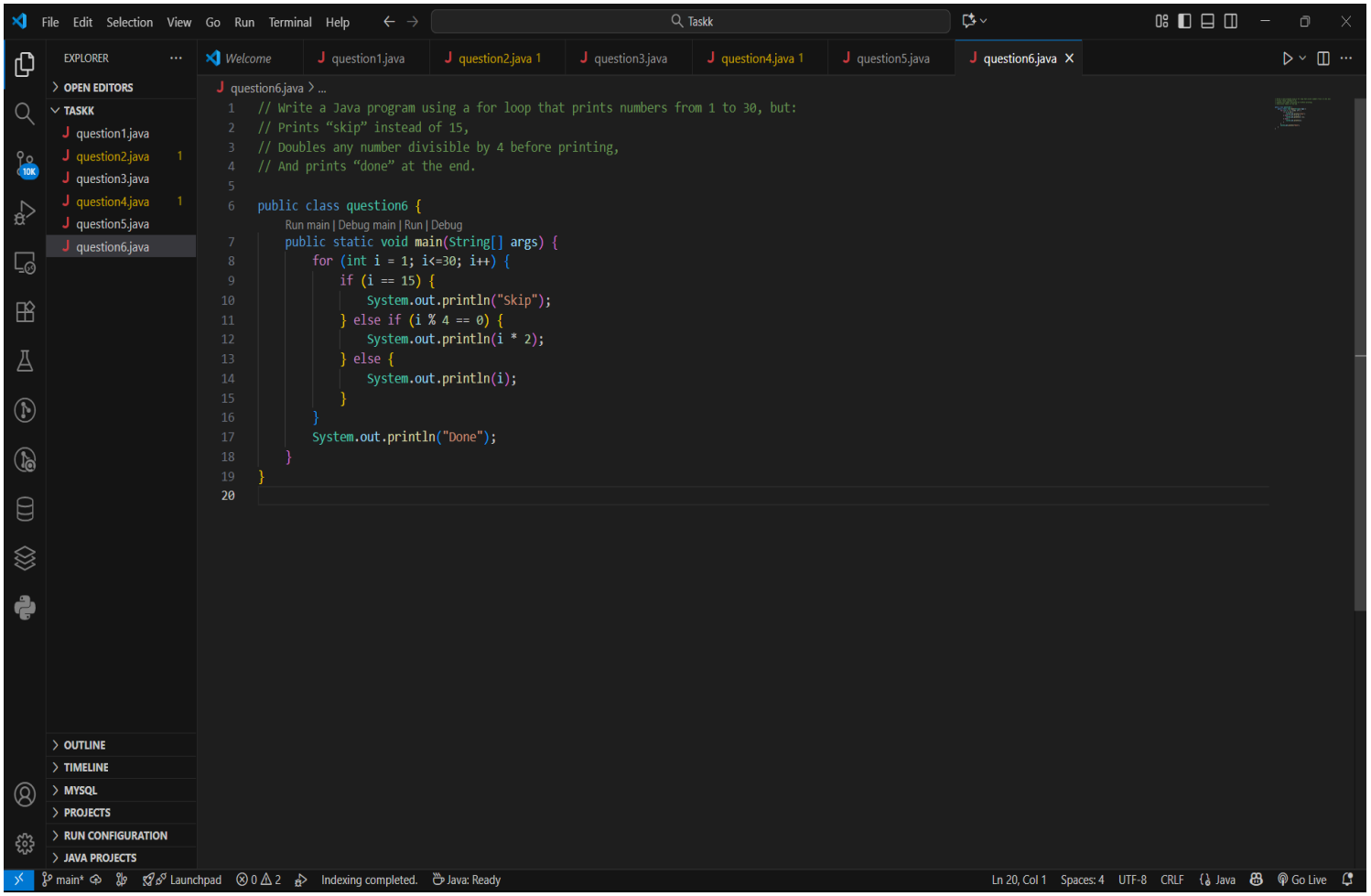
```java
// Write a Java program that prints the sum of even numbers and the product of odd numbers between 1 and 10 using a for loop and if condition.
public class question5 {
    Run main | Debug main | Run | Debug
    public static void main(String[] args) {
        int sumEven = 0;
        int productOdd = 1;

        for (int i = 1; i <= 10; i++) {
            if (i % 2 == 0) {
                sumEven += i; // Add to sum if even
            } else {
                productOdd *= i; // Multiply to product if odd
            }
        }

        System.out.println("Sum of even numbers between 1 and 10: " + sumEven);
        System.out.println("Product of odd numbers between 1 and 10: " + productOdd);
    }

}
```

Output:

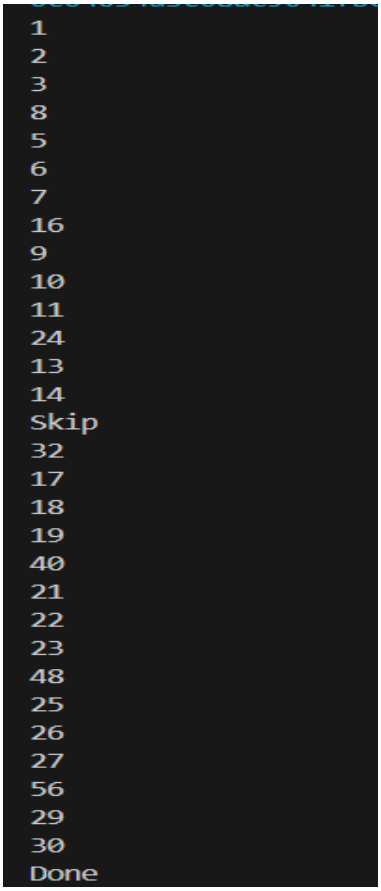


```
Sum of even numbers between 1 and 10: 30
Product of odd numbers between 1 and 10: 945
```

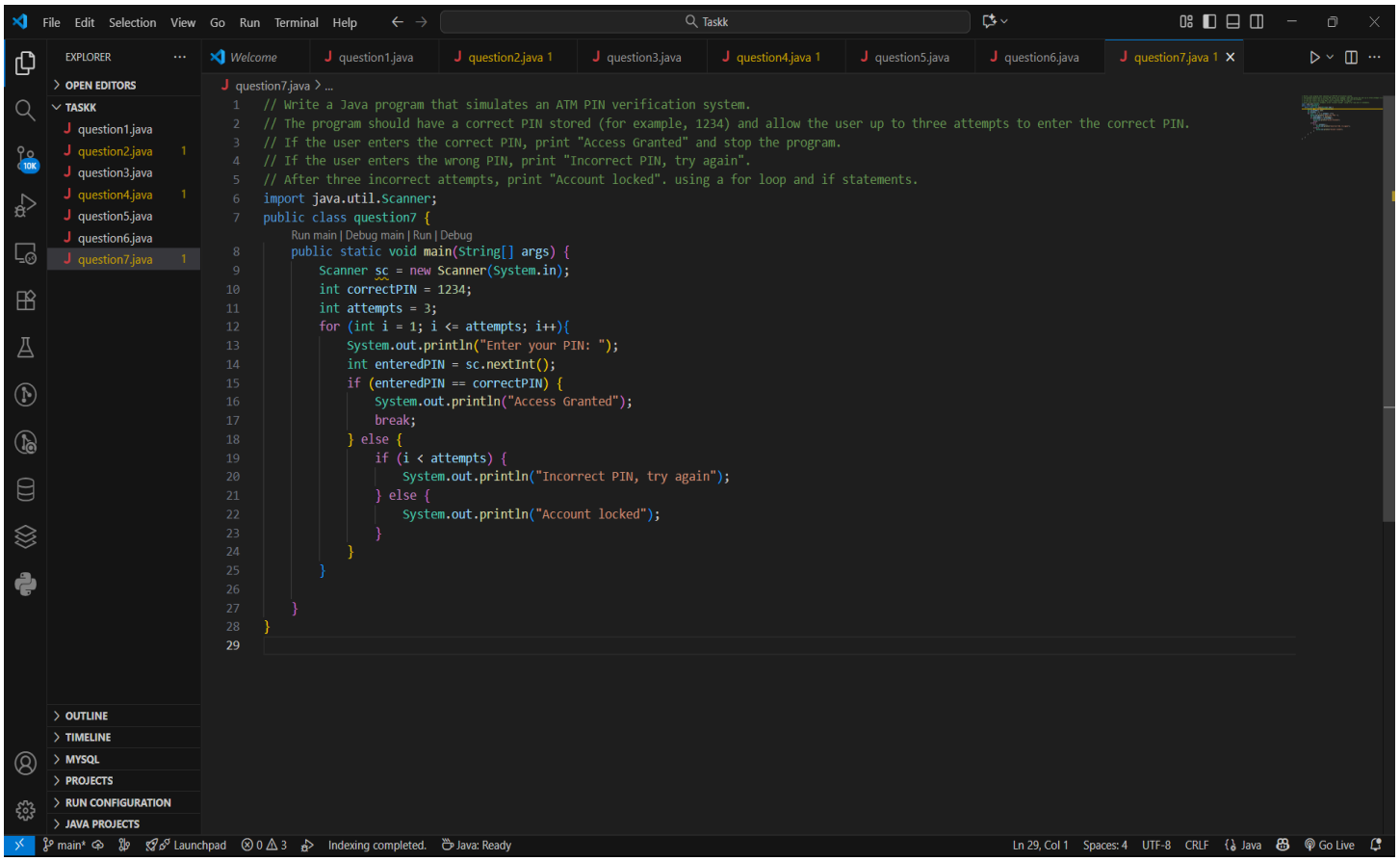
6.


File Edit Selection View Go Run Terminal Help
Taskk
EXPLORER
OPEN EDITORS
TASKK
question1.java
question2.java 1
question3.java
question4.java 1
question5.java
question6.java
Welcome
question1.java
question2.java 1
question3.java
question4.java 1
question5.java
question6.java
question6.java > ...
// Write a Java program using a for loop that prints numbers from 1 to 30, but:
// Prints “skip” instead of 15,
// Doubles any number divisible by 4 before printing,
// And prints “done” at the end.
public class question6 {
Run main | Debug main | Run | Debug
public static void main(String[] args) {
for (int i = 1; i<=30; i++) {
if (i == 15) {
System.out.println("Skip");
} else if (i % 4 == 0) {
System.out.println(i * 2);
} else {
System.out.println(i);
}
}
System.out.println("Done");
}
}
OUTLINE
TIMELINE
MYSQL
PROJECTS
RUN CONFIGURATION
JAVA PROJECTS
main*
Launchpad
0 2
Indexing completed.
Java: Ready
Ln 20, Col 1
Spaces: 4
UTF-8
CRLF
Java
Go Live

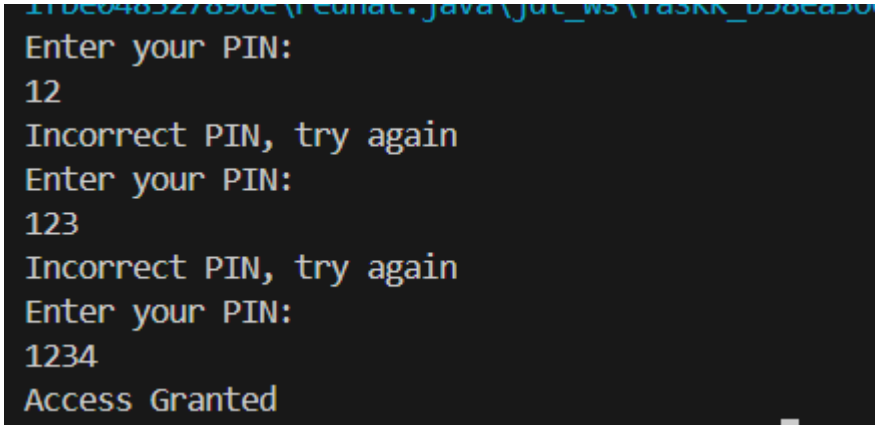
Output:


1
2
3
8
5
6
7
16
9
10
11
24
13
14
Skip
32
17
18
19
40
21
22
23
48
25
26
27
56
29
30
Done

7.


File Edit Selection View Go Run Terminal Help
Taskk
EXPLORER
OPEN EDITORS
TASKK
question1.java
question2.java 1
question3.java
question4.java 1
question5.java
question6.java
question7.java 1
Welcome
question7.java > ...
// Write a Java program that simulates an ATM PIN verification system.
// The program should have a correct PIN stored (for example, 1234) and allow the user up to three attempts to enter the correct PIN.
// If the user enters the correct PIN, print "Access Granted" and stop the program.
// If the user enters the wrong PIN, print "Incorrect PIN, try again".
// After three incorrect attempts, print "Account locked". using a for loop and if statements.
import java.util.Scanner;
public class question7 {
Run main | Debug main | Run | Debug
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
int correctPIN = 1234;
int attempts = 3;
for (int i = 1; i <= attempts; i++){
System.out.println("Enter your PIN: ");
int enteredPIN = sc.nextInt();
if (enteredPIN == correctPIN) {
System.out.println("Access Granted");
break;
} else {
if (i < attempts) {
System.out.println("Incorrect PIN, try again");
} else {
System.out.println("Account locked");
}
}
}
}
}
OUTLINE
TIMELINE
MYSQL
PROJECTS
RUN CONFIGURATION
JAVA PROJECTS
main*
Launchpad
0 3
Indexing completed.
Java: Ready
Ln 29, Col 1
Spaces: 4
UTF-8
CRLF
Java
Go Live

Output:


Enter your PIN:
12
Incorrect PIN, try again
Enter your PIN:
123
Incorrect PIN, try again
Enter your PIN:
1234
Access Granted