1.

```java
Question1.java > Java > Question1 > main(String[] args)
public class Question1 {
    Run | Debug | Run main | Debug main
    public static void main(String[] args) {

        System.out.println(x: "Numbers between 1 and 50 divisible by either 3 or 5, but not both:");

        for (int i = 1; i <= 50; i++) {

            if ((i % 3 == 0 || i % 5 == 0) && !(i % 3 == 0 && i % 5 == 0)) {
                System.out.println(i);
            }
        }
    }
}
```

Output:

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

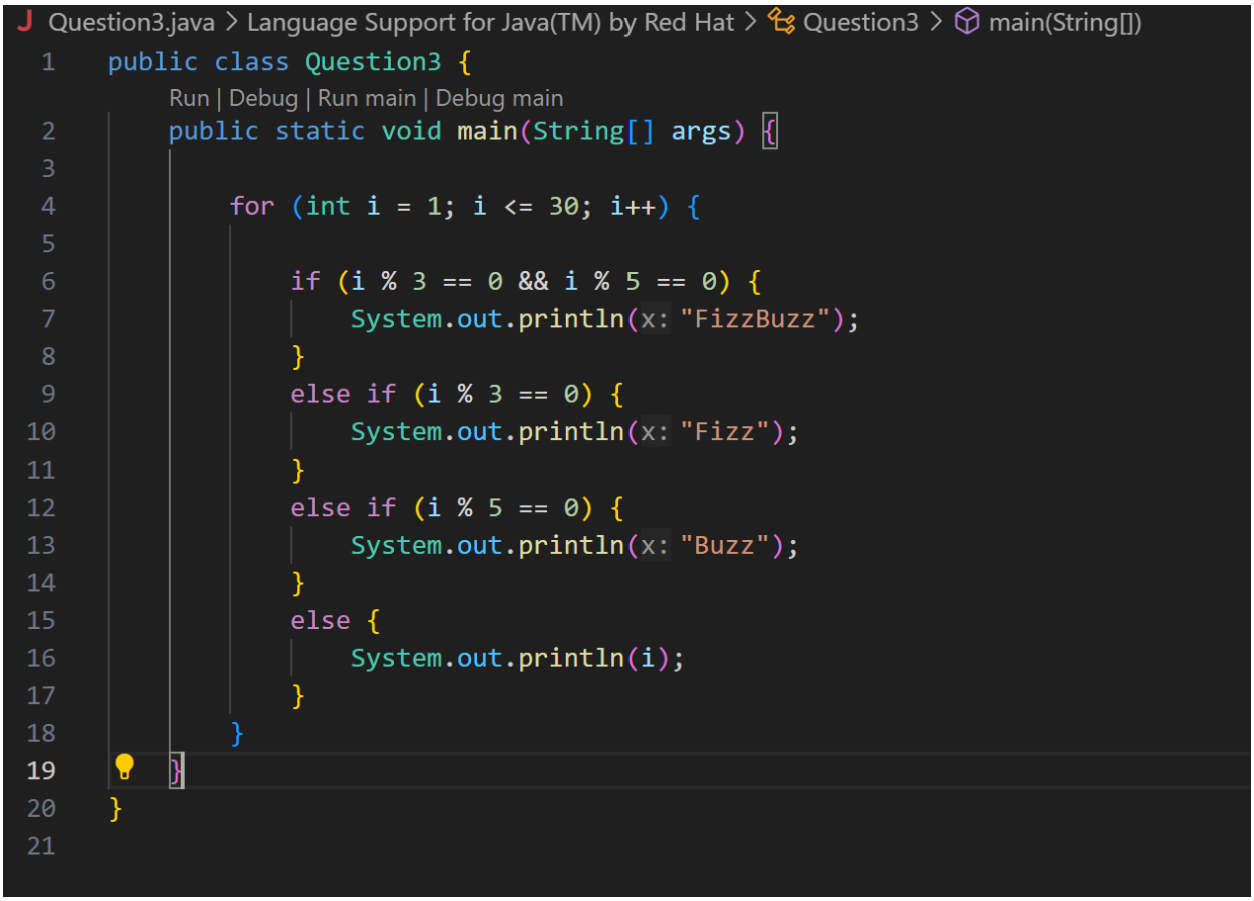
2.

```java
import java.util.Scanner;

public class Question2 {
    Run | Debug | Run main | Debug main
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.print(s: "Enter a number: ");
        int n = sc.nextInt();
        for (int i = 1; i <= n; i++) {
            if (i % 4 == 0) {
                continue;
            }
            System.out.println(i);
        }
    }
}
```

Output:

```
Enter a number: 10
1
2
3
5
6
7
9
10
```

3.


Question3.java > Language Support for Java(TM) by Red Hat > Question3 > main(String[])
public class Question3 {
Run | Debug | Run main | Debug main
public static void main(String[] args) {
for (int i = 1; i <= 30; i++) {
if (i % 3 == 0 && i % 5 == 0) {
System.out.println(x: "FizzBuzz");
}
else if (i % 3 == 0) {
System.out.println(x: "Fizz");
}
else if (i % 5 == 0) {
System.out.println(x: "Buzz");
}
else {
System.out.println(i);
}
}
}
}

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
```

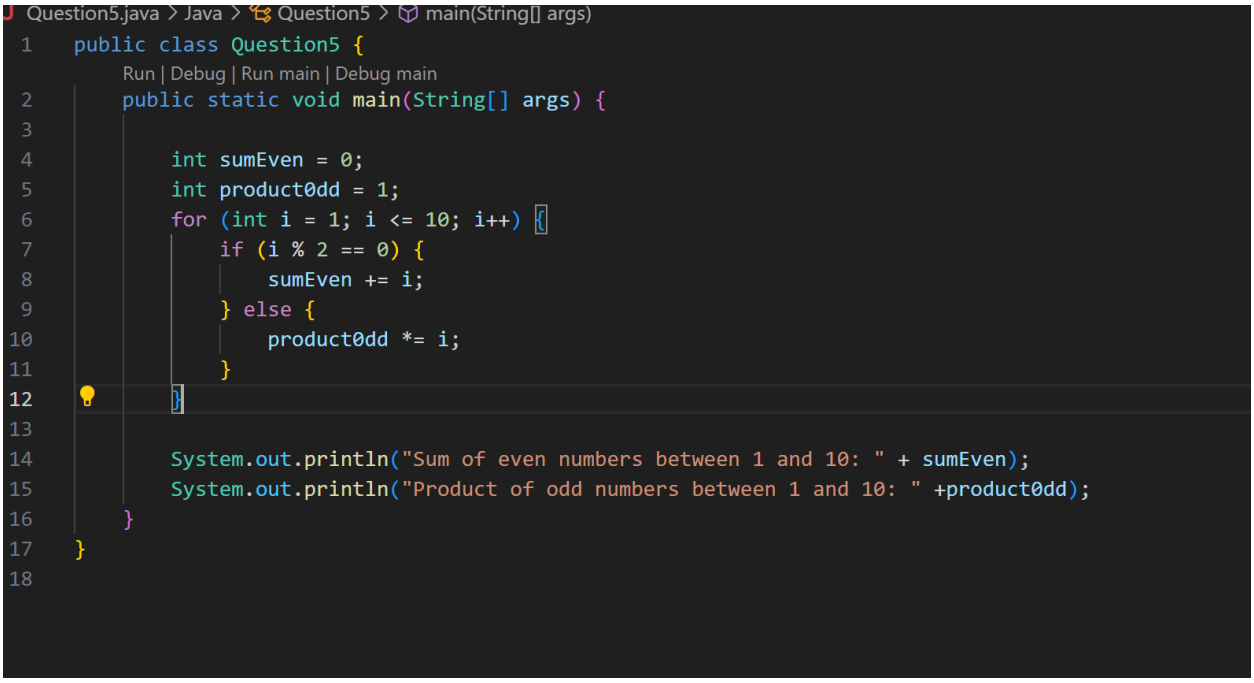
4.

```java
import java.util.Scanner;

public class Question4 {
    Run | Debug | Run main | Debug main
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter 10 integers:");
        for (int i = 1; i <= 10; i++) {
            System.out.printx: t("Enter number " + i + ": ");
            int num = sc.nextInt();
            if (num % 2 == 0 && num > 20) {
                System.out.println(num + " is even and greater than 20.");
            }
        }
    }
}

```

Output:

```
Enter 10 integers:
Enter number 1: 22
22 is even and greater than 20.
Enter number 2: 19
Enter number 3: 23
Enter number 4: 21
Enter number 5: 28
28 is even and greater than 20.
Enter number 6: 30
30 is even and greater than 20.
Enter number 7: 32
32 is even and greater than 20.
Enter number 8: 12
Enter number 9: 14
Enter number 10: 22
22 is even and greater than 20.
```

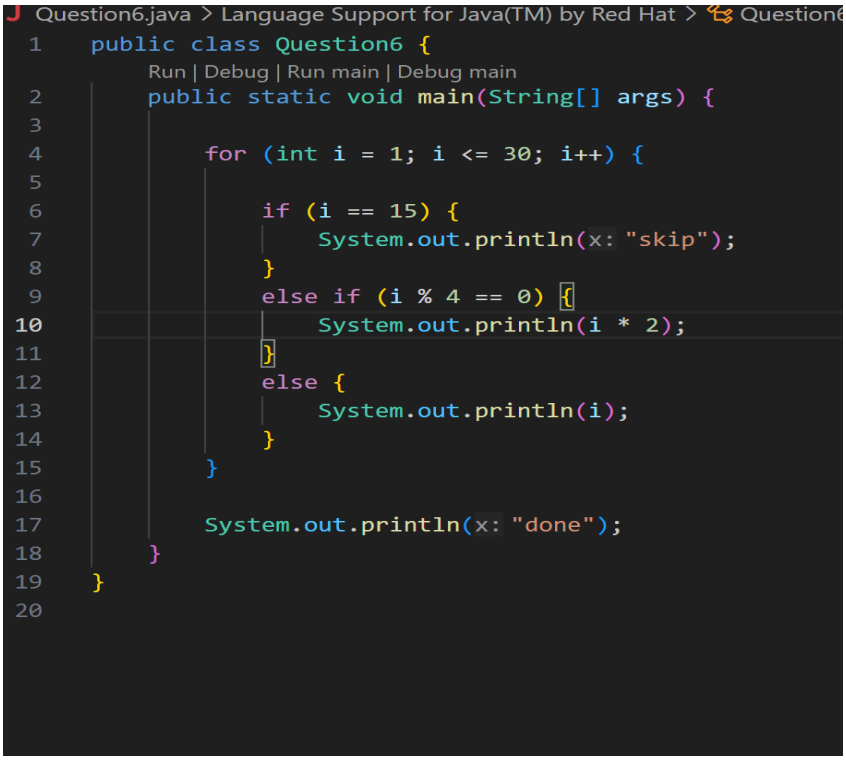
5.



Output:

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

6.


Question6.java > Language Support for Java(TM) by Red Hat > Question6
public class Question6 {
Run | Debug | Run main | Debug main
public static void main(String[] args) {
for (int i = 1; i <= 30; i++) {
if (i == 15) {
System.out.println(x: "skip");
}
else if (i % 4 == 0) {
System.out.println(i * 2);
}
else {
System.out.println(i);
}
}
System.out.println(x: "done");
}
}

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.

Question7.java > ...

```java
import java.util.Scanner;
public class Question7 {
    Run | Debug | Run main | Debug main
    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(x: "Enter your PIN: ");
            int enteredPIN = sc.nextInt();
            if (enteredPIN == correctPIN) {
                System.out.println(x: "Access Granted");
                break;
            } else {
                if (i < attempts) {
                    System.out.println(x: "Incorrect PIN, try again");
                }else {
                    System.out.println(x: "Account Locked");
                }
            }
        }
    }
}

```

Output:

```
Enter your PIN:
11
Incorrect PIN, try again
Enter your PIN:
123
Incorrect PIN, try again
Enter your PIN:
1234
Access Granted
```