

week1 > J N1.java > N1 > main(String[])

```
1 public class N1 {
2     Run | Debug
3     public static void main(String[] args) {
4         for (int i = 1; i <= 50; i++) {
5             if (i % 3 == 0) {
6                 if (i % 5 == 0) {
7                     continue;
8                 } else {
9                     System.out.println(i + "is divisible by 3 ");
10                }
11            } else if (i % 5 == 0) {
12                if (i % 3 == 0) {
13                    continue;
14                } else {
15                    System.out.println(i + "is divisible by 5");
16                }
17            }
18        }
19    }
20 }
```

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

week1 > J N2.java > N2

```
1  import java.util.Scanner;
2
3  public class N2 {
4      Run | Debug
5      public static void main(String[] args) {
6          Scanner sc = new Scanner(System.in);
7          System.out.println(x: "enter a number");
8          int i = sc.nextInt();
9          for (int a = 1; a <= i; a++) {
10             if (a % 4 != 0) {
11                 System.out.println(a);
12             }
13         }
14     }
15 }
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

enter a number

```
10
1
2
3
5
6
7
9
10
```

+ v ... | [] x

powersh... ⚠

Run: N1

Run: N2

week1 > J N3.java > N3

```
1 public class N3 {  
    Run | Debug  
2     public static void main(String[] args) {  
3         for (int i = 1; i <= 30; i++) {  
4             if (i % 3 == 0) {  
5                 if (i % 5 == 0) {  
6                     System.out.println(i + "FizzBuzz");  
7                 } else {  
8                     System.out.println(i + "Fizz");  
9                 }  
10            } else if (i % 5 == 0) {  
11                if (i % 3 == 0) {  
12                    System.out.println(i + "FizzBuzz");  
13                } else {  
14                    System.out.println(i + "Buzz");  
15                }  
16            }  
17        }  
    }  
}
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

+ v ... | [] x

powersh...

Run: N1

Run: N2

Run: N3

3Fizz
5Buzz
6Fizz
9Fizz
10Buzz
12Fizz
15FizzBuzz
18Fizz
20Buzz
21Fizz
24Fizz
25Buzz
27Fizz
30FizzBuzz

```
week1 > J N4.java > N4
1  import java.util.Scanner;
2
3  public class N4 {
    Run | Debug
4  public static void main(String[] args) {
5      for (int i = 1; i <= 10; i++) {
6          Scanner sc = new Scanner(System.in);
7          System.out.println(x: "enter a number");
8          int a = sc.nextInt();
9          if (a > 20 && a % 2 == 0) {
10             System.out.println(a + "is greater than 20 and is even");
11         }
12     }
13 }
14
15 }
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp\Group-5_LazyGuys> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\hp\AppData\Roaming\Code\User\workspaceStorage\302720bc8d83e7a7f2241666fda530fd\redhat.java\jdt_ws\Group-5_LazyGuys_8b4722fc\bin' 'N4'
enter a number
22
22is greater than 20 and is even
```

week1 > J N5.java > N5

```
1 public class N5 {  
    Run | Debug  
2     public static void main(String[] args) {  
3         int sum = 0;  
4         int product = 1;  
5         for (int i = 1; i <= 10; i++) {  
6             if (i % 2 == 0) {  
7                 sum += i;  
8             } else {  
9                 product *= i;  
10            }  
11        }  
12        System.out.println("the sum of even numbers from 1 to 10 is " + sum);  
13        System.out.println("the product of odd numbers from 1 to 10 is" + product);  
14    }  
15  
16 }
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\hp\Group-5_LazyGuys> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\hp\AppData\Roaming\Code\User\workspaceStorage\302720bc8d83e7a7f2241666fda530fd\redhat.java\jdt_ws\Group-5_LazyGuys_8b4722fc\bin' 'N5'  
the sum of even numbers from 1 to 10 is 30  
the product of odd numbers from 1 to 10 is 945
```

week1 > J N6.java > N6

```
1 public class N6 {  
2     public static void main(String[] args) {  
3         for (int i = 1; i <= 30; i++) {  
4             if (i == 15) {  
5                 System.out.println(x: "skip");  
6             } else if (i % 4 == 0) {  
7                 int divi = i * i;  
8                 System.out.println(divi);  
9             } else {  
10                System.out.println(i);  
11            }  
12        }  
13        System.out.println(x: "done");  
14    }  
15 }
```



```
PS C:\Users\hp\Group-5_LazyGuys> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\hp\AppData\Roaming\Code\User\workspaceStorage\302720bc8d83e7a7f2241666fda530fd\redhat.java\jdt_ws\Group-5_LazyGuys_8b4722fc\bin' 'N6'
```

```
1
2
3
16
5
6
7
64
9
10
11
144
13
14
skip
256
17
18
19
400
21
22
23
576
25
26
27
784
29
30
done
```

week1 > J N7.java > N7

```
1 import java.util.Scanner;
2
3 public class N7 {
4     public static void main(String[] args) {
5         int pass = 12345;
6         for (int i = 0; i <= 5; i++) {
7             Scanner sc = new Scanner(System.in);
8             System.out.println(x: "enter your PIN");
9             int password = sc.nextInt();
10            if (pass == password) {
11                System.out.println(x: "access granted");
12                break;
13            } else {
14                System.out.println(x: "incorrect PIN,try again");
15            }
16            if (i == 2) {
17                System.out.println(x: "Account locked");
18                break;
19            }
20        }
21    }
22 }
```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS

enter your PIN
123
incorrect PIN,try again
enter your PIN
1234
incorrect PIN,try again
enter your PIN
12345
access granted

+ v ... | [] x

powersh... ⚠

- Run: N1
- Run: N2
- Run: N3
- Run: N4
- Run: N5
- Run: N6