

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

```
1  public class N1 {
2      Run | Debug
3
4      public static void main(String[] args) {
5
6          for (int i = 1; i <= 50; i++) {
7              if (i % 3 == 0) {
8                  if (i % 5 == 0) {
9                      continue;
10                 } else {
11                     System.out.println(i + "is divisible by 3 ");
12                 }
13             } else if (i % 5 == 0) {
14                 if (i % 3 == 0) {
15                     continue;
16                 } else {
17                     System.out.println(i + "is divisible by 5");
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
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
35is divisible by 5
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39is divisible by 3
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36is divisible by 3
35is divisible by 5
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36is divisible by 3
39is divisible by 3
40is divisible by 5
35is divisible by 5
36is divisible by 3
39is 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 > F5 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("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

[powershell] 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 + ⌂ ⌄ ⌁ ×
3Fizz
5Buzz
6Fizz
9Fizz
10Buzz
12Fizz
15FizzBuzz
18Fizz
20Buzz
21Fizz
24Fizz
25Buzz
27Fizz
30FizzBuzz
```

- powershell ▲
- Run: N1
- Run: N2
- Run: N3

```
week1 > J N4.java > N4
1 import java.util.Scanner;
2
3 public class N4 {
4     Run | Debug
5     public static void main(String[] args) {
6         for (int i = 1; i <= 10; i++) {
7             Scanner sc = new Scanner(System.in);
8             System.out.println("enter a number");
9             int a = sc.nextInt();
10            if (a > 20 && a % 2 == 0) {
11                System.out.println(a + "is greater than 20 and is even");
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:+ShowCodeDetailsInException
Messages' '-cp' 'C:\Users\hp\AppData\Roaming\Code\User\workspaceStorage\302720bc8d83e7a7f2241666fd\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 {
2      Run | Debug
3      public static void main(String[] args) {
4          int sum = 0;
5          int product = 1;
6          for (int i = 1; i <= 10; i++) {
7              if (i % 2 == 0) {
8                  sum += i;
9              } else {
10                  product *= i;
11              }
12          }
13          System.out.println("the sum of even numbers from 1 to 10 is " + sum);
14          System.out.println("the productof odd numbers from 1 to 10 is" + product);
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\302720bc8d83e7a7f2241666fd\redhat\java\jdt_ws\Group-5_LazyGuys_8b4722fc\bin' 'N5'
the sum of even numbers from 1 to 10 is 30
the productof odd numbers from 1 to 10 is945
```

```
week1 > J N6.java > N6
1  public class N6 {
2      Run | Debug
3      public static void main(String[] args) {
4          for (int i = 1; i <= 30; i++) {
5              if (i == 15) {
6                  System.out.println(x: "skip");
7              } else if (i % 4 == 0) {
8                  int divi = i * i;
9                  System.out.println(divi);
10             } else {
11                 System.out.println(i);
12             }
13         }
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\302720bc8d83e7a7f2241666fd\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 N7java > N7
1 import java.util.Scanner;
2
3 public class N7 {
4     Run | Debug
5     public static void main(String[] args) {
6         int pass = 12345;
7         for (int i = 0; i <= 5; i++) {
8             Scanner sc = new Scanner(System.in);
9             System.out.println("enter your PIN");
10            int password = sc.nextInt();
11            if (pass == password) {
12                System.out.println("access granted");
13                break;
14            } else {
15                System.out.println("incorrect PIN,try again");
16            }
17            if (i == 2) {
18                System.out.println("Account locked");
19                break;
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

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