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Online Java Compiler

Interactive Java Course

Clear

main.java

```
1 import java.util.Scanner;
2
3 public class NthOddNumber {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6
7         System.out.print("Enter the value of n: ");
8         int n = input.nextInt();
9
10        System.out.print("Enter the value of k: ");
11        int k = input.nextInt();
12
13        int count = 0;
14        int num = n;
15
16        while (count < k) {
17            if (num % 2 == 1) {
18                count++;
19            }
20            num++;
21        }
22
23        System.out.println("The " + k + "th odd number after " + n + " odd numbers is: " + (num - 1)
24            + " ");
25    }
26 }
```

Output

```
Enter the value of n: 0
Enter the value of k: 20
The 20th odd number after 0 odd numbers is 39
```

9:06 AM
4/1/2021

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Main.java

```
1 import java.util.Scanner;
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3 public class nthOddNumber {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
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15
16        while (count < k) {
17            if (num % 2 == 1) {
18                count++;
19            }
20            num++;
21        }
22
23        System.out.println("The " + k + "th odd number after " + n + " odd numbers is: " + (num - 1) + ".");
24    }
25 }
```

Output

```
java.util.Scanner$NextIntException: InputMismatchException
Enter the value of n: 6
Enter the value of k: 30
The 30th odd number after 6 odd numbers is: 59
```

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Main.java

Run

Output

Clear

```
1- import java.util.Scanner;
2-
3- public class NthOddNumber {
4-     public static void main(String[] args) {
5-         Scanner input = new Scanner(System.in);
6-
7-         System.out.print("Enter the value of n: ");
8-         int n = input.nextInt();
9-
10-        System.out.print("Enter the value of k: ");
11-        int k = input.nextInt();
12-
13-        int count = 0;
14-        int num = 1;
15-
16-        while (count < k) {
17-            if (num % 2 == 1) {
18-                count++;
19-            }
20-            num++;
21-        }
22-
23-        System.out.println("The " + k + "th odd number after " + n + " odd numbers is: " + (num - 1)
24-            + " ");
25-    }
26-}
```

```
java -cp /Users/Adarsh/.m2/repository/
Enter the value of n: 2021
Enter the value of k: 2021
The 2021th odd number after 2021 odd numbers is 4061
```

Windows

Edge

File Explorer

Google Chrome

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Main.java

Run

Output

Clear

```
1: import java.util.Scanner;
2:
3: public class Arithmetic {
4:     public static void main(String[] args) {
5:         Scanner input = new Scanner(System.in);
6:
7:         System.out.print("Enter the value of n: ");
8:         int n = input.nextInt();
9:
10:        System.out.print("Enter the value of k: ");
11:        int k = input.nextInt();
12:
13:        int count = 0;
14:        int num = n;
15:
16:        while (count < k) {
17:            if (num % 2 == 1) {
18:                count++;
19:            }
20:            num++;
21:        }
22:
23:        System.out.println("The " + k + "th odd number after " + n + " odd numbers is " + (num - 1)
24:            + " ");
25:    }
26: }
```

```
java -cp /usr/share/java/programiz.jar Arithmetic
Enter the value of n: 145
Enter the value of k: 145
The 145th odd number after 145 odd numbers is 195
```

Windows Taskbar

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Main.java

Run

Clear

```
1- import java.util.Scanner;
2-
3- public class NthOddNumber {
4-     public static void main(String[] args) {
5-         Scanner input = new Scanner(System.in);
6-
7-         System.out.print("Enter the value of n: ");
8-         int n = input.nextInt();
9-
10-        System.out.print("Enter the value of k: ");
11-        int k = input.nextInt();
12-
13-        int count = 0;
14-        int num = n;
15-
16-        while (count < k) {
17-            if (num % 2 == 1) {
18-                count++;
19-            }
20-            num--;
21-        }
22-
23-        System.out.println("The " + k + "th odd number after " + n + " odd numbers is " + (num - 1)
24-            + " ");
25-    }
26- }
```

Output

Enter the value of n: 108
Enter the value of k: 196
The 196th odd number after 108 odd numbers is 197

Windows Taskbar

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