

write a program to find the sum of

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Interactive Java Course

Main.java

Run

Output

Clear

```
1 - import java.util.Scanner;
2
3 - public class Main {
4
5 -     public static void main(String[] args) {
6         int number;
7         Scanner sc = new Scanner(System.in);
8
9         System.out.println("Enter a number: ");
10        number = sc.nextInt();
11
12        boolean isComposite = false;
13
14        for (int i = 2; i <= number; i++) {
15            if (number % i == 0) {
16                isComposite = true;
17                break;
18            }
19        }
20
21        if (!isComposite) {
22            System.out.println(number + " is a composite number");
23        }
24    }
25 }
```

```
java -cp ./src/HelloJDK11 Main
Enter a number: 16
16 is a composite number
```

Windows

Taskbar

System Tray

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21        if (!isComposite) {
22            System.out.println(number + " is a composite number");
23        }
24    }
25 }
```

Run

Output

Clear

```
java -cp /tmp/foJfPNUwM Main
Enter a number: 23
23 is not a composite number
```

Windows Taskbar: Start, Edge, File Explorer, VS Code, Chrome, 100% Zoom, 10:04 AM, 10/20/2021

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16                isComposite = true;
17                break;
18            }
19        }
20
21        if (!isComposite) {
22            System.out.println(number + " is a composite number");
23        }
24    }
25 }
```

Output

```
java -cp /tmp/psjF0uKwM Main
Enter a number: 19
19 is not a composite number
```

9:04 AM 10/20/2021

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Main.java

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14        for (int i = 2; i < number; i++) {
15            if (number % i == 0) {
16                isComposite = true;
17                break;
18            }
19        }
20
21        if (isComposite) {
22            System.out.println(number + " is a composite number");
23        }
24    }
25 }
```

Output

```
java -cp /tmp/foJH4uRM Main
Enter a number:
18
18 is a composite number
```

10:04 AM 10/10/2021

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Interactive Java Course

Main.java **Run** **Output**

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15            if (number % i == 0) {
16                isComposite = true;
17                break;
18            }
19        }
20
21        if (!isComposite) {
22            System.out.println(number + " is a composite number");
23        }
24    }
25 }
```

java -cp . /tmp/jdk9/bin/Main
Enter a number:
27
27 is a composite number

10:00 AM 10/10/2017

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15            if (number % i == 0) {
16                isComposite = true;
17                break;
18            }
19        }
20
21        if (isComposite) {
22            System.out.println(number + " is a composite number");
23        }
24    }
25 }
```

```
java -cp /tmp/11704844 Main
Enter a number:
20
20 is a composite number
```

Windows

10:00 AM 12/20/2021

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Main.java

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19        }
20
21        if (isComposite) {
22            System.out.println(number + " is a composite number");
23        }
24    }
25 }
```

Output

```
java -cp /tmp/foJiFouRM Main
Enter a number:
21
21 is a composite number
```

Clear

10:04 AM 12/20/2023