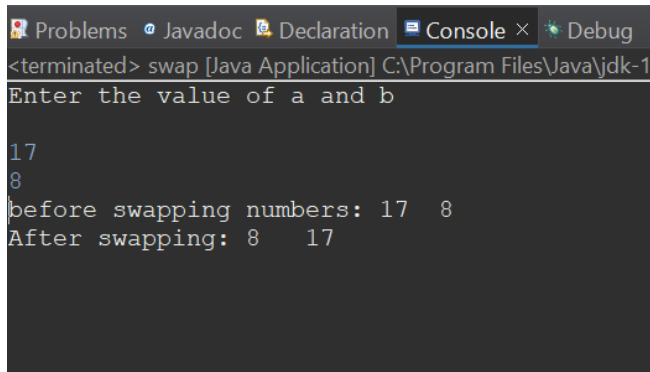


## Java Assignment-5

### Basic Java Programs for Practice

1. Write a program to swap two numbers in Java.

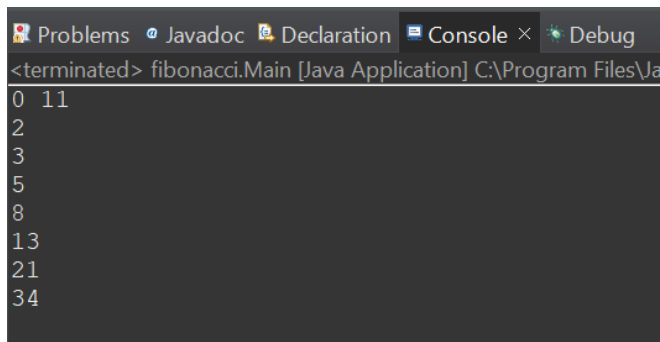
<https://codeshare.io/JbMgKZ>

A screenshot of a Java IDE's console window. The title bar shows 'Problems', 'Javadoc', 'Declaration', 'Console', and 'Debug'. The console text reads: '<terminated> swap [Java Application] C:\Program Files\Java\jdk-1', 'Enter the value of a and b', '17', '8', 'before swapping numbers: 17 8', and 'After swapping: 8 17'.

```
<terminated> swap [Java Application] C:\Program Files\Java\jdk-1
Enter the value of a and b
17
8
before swapping numbers: 17 8
After swapping: 8 17
```

2. Write a program to print all the elements of the Fibonacci series.

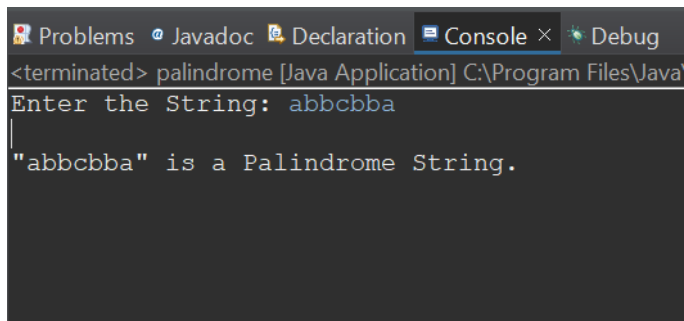
<https://codeshare.io/bvOjWM>

A screenshot of a Java IDE's console window. The title bar shows 'Problems', 'Javadoc', 'Declaration', 'Console', and 'Debug'. The console text reads: '<terminated> fibonacci.Main [Java Application] C:\Program Files\Ja', '0 11', '2', '3', '5', '8', '13', '21', and '34'.

```
<terminated> fibonacci.Main [Java Application] C:\Program Files\Ja
0 11
2
3
5
8
13
21
34
```

3. Check if a given number is palindrome or not.

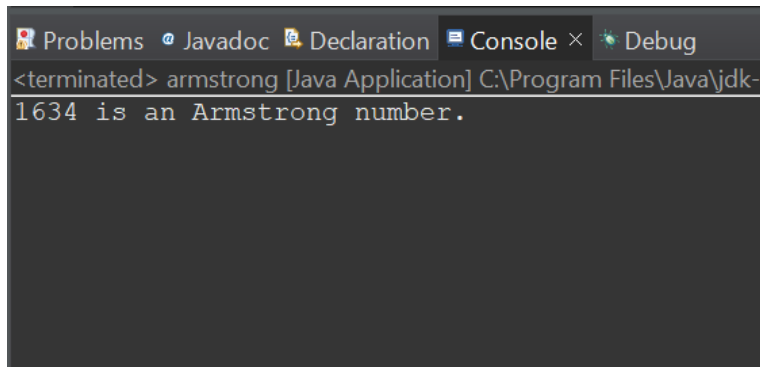
<https://codeshare.io/4eoxnd>

A screenshot of a Java IDE's console window. The title bar shows 'Problems', 'Javadoc', 'Declaration', 'Console', and 'Debug'. The console text reads: '<terminated> palindrome [Java Application] C:\Program Files\Java', 'Enter the String: abbcbbba', and '"abbcbbba" is a Palindrome String.'.

```
<terminated> palindrome [Java Application] C:\Program Files\Java
Enter the String: abbcbbba
"abbcbbba" is a Palindrome String.
```

**4. Write a program to find whether a number is an Armstrong number or not.**

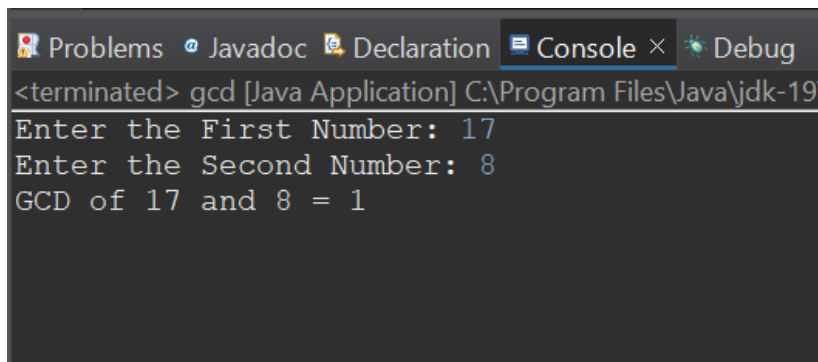
<https://codeshare.io/vwjzO4>



```
Problems Javadoc Declaration Console × Debug
<terminated> armstrong [Java Application] C:\Program Files\Java\jdk-1
1634 is an Armstrong number.
```

**5. Find the GCD of two numbers.**

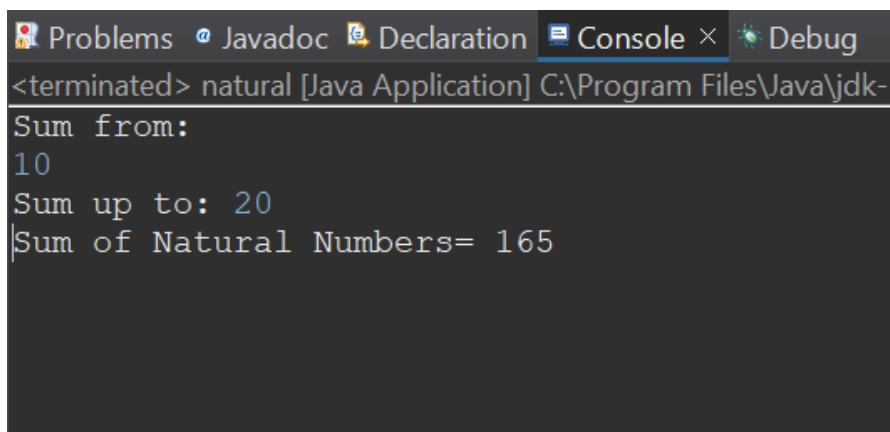
<https://codeshare.io/pqkrQX>



```
Problems Javadoc Declaration Console × Debug
<terminated> gcd [Java Application] C:\Program Files\Java\jdk-19\
Enter the First Number: 17
Enter the Second Number: 8
GCD of 17 and 8 = 1
```

**6. Write a program to find the sum of n natural numbers.**

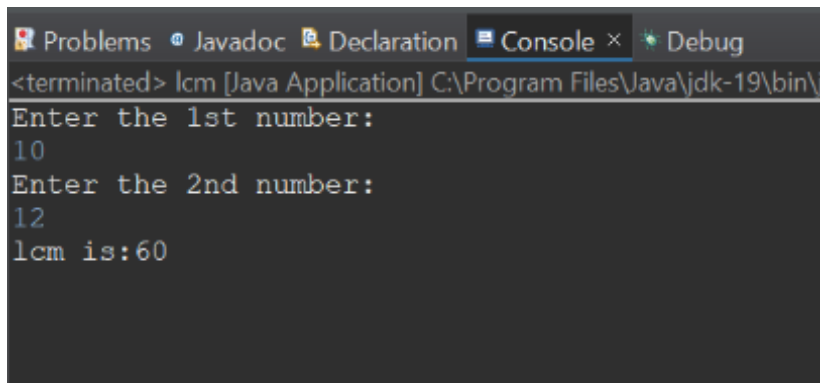
<https://codeshare.io/zyA9xb>



```
Problems Javadoc Declaration Console × Debug
<terminated> natural [Java Application] C:\Program Files\Java\jdk-1
Sum from:
10
Sum up to: 20
Sum of Natural Numbers= 165
```

**7. Write a program to find the lcm of two numbers.**

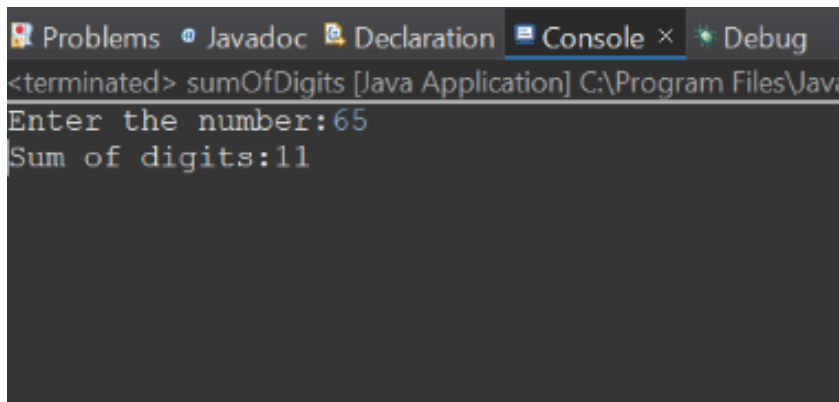
<https://codeshare.io/JbMg1r>



```
Problems Javadoc Declaration Console × Debug
<terminated> lcm [Java Application] C:\Program Files\Java\jdk-19\bin\
Enter the 1st number:
10
Enter the 2nd number:
12
lcm is:60
```

**8. Calculate the sum of digits of a given number.**

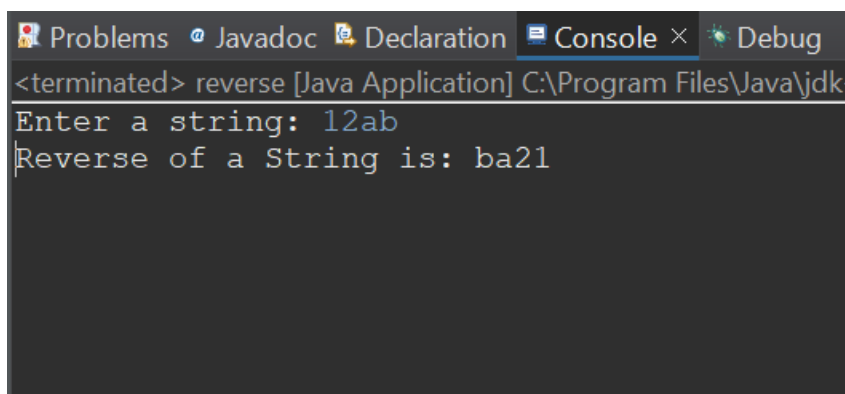
<https://codeshare.io/r9lrjA>



```
Problems Javadoc Declaration Console × Debug
<terminated> sumOfDigits [Java Application] C:\Program Files\Java\
Enter the number:65
Sum of digits:11
```

**9. Write a program to reverse a string.**

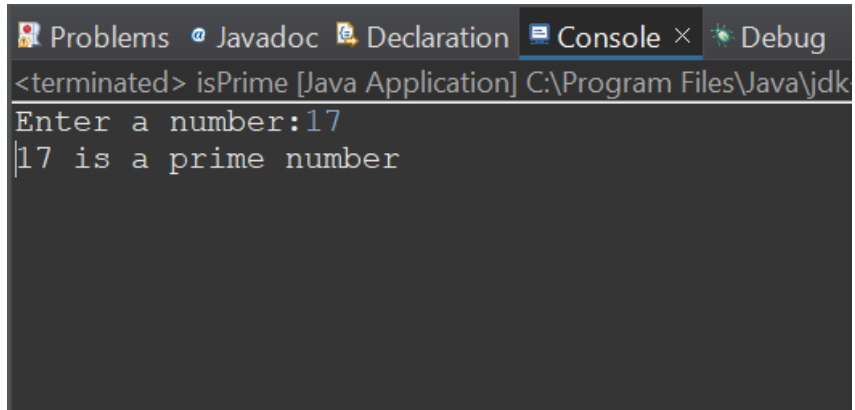
<https://codeshare.io/gL9pyw>



```
Problems Javadoc Declaration Console × Debug
<terminated> reverse [Java Application] C:\Program Files\Java\jdk
Enter a string: 12ab
Reverse of a String is: ba21
```

**10. Write a code to print all the first n prime numbers where n will be given as input.**

<https://codeshare.io/MNEXKW>



The screenshot shows an IDE's console window with tabs for Problems, Javadoc, Declaration, Console, and Debug. The Console tab is active, displaying the output of a Java application. The text in the console is as follows:

```
<terminated> isPrime [Java Application] C:\Program Files\Java\jdk
Enter a number:17
17 is a prime number
```