```java
19    {
          Run | Debug
20    public static void main(String[] args)
21    {
22        String s = new String("Darshan Ingle is a instructor at Newton School");
23        System.out.println(s);
24        boolean b = s.contains("instructor"); // true
25        System.out.println(b);     true
26        b = s.contains("faculty"); // false
27        System.out.println(b);
28    }                            — false
29    }
```

(handwritten annotations)

S → "Darshan Ingle is a instructor at Newton School"

boolean
b

true
false

Ln 20, Col 43   Spaces: 4   UTF-8   LF   {} Java

```java
29    // }
30
31    // substring() — extracts a substring from a string and returns it
32    class Main
33    {
          Run | Debug
34    public static void main(String[] args)
35    {
36        String s = new String("NS is best");
37        System.out.println(s);
38
39    }
40    }
```

(handwritten annotations)

```
  0 1 2 3 4 5 6 7 8 9
S N S   i s   b e s t
        └─────────┘
```

s.substring(3, 8)

Start   End Index
Index

It will fetch string from
(Start Index to EndIndex-1)

i.e.   3 to (8-1)

i.e.   3 to 7

i.e "is be"

Ln 37, Col 31   Spaces: 4   UTF-8   LF   {} Java

Main.java — Main > main(String[])

```java
// join() — returns a new string with the given elements joined with
// the specified delimiter
class Main
{
    public static void main(String[] args)
    {
        String s1 = new String("NS");
        String s2 = new String("is");
        String s3 = new String("best");
        System.out.println(s1);
        System.out.println(s2);
        System.out.println(s3);
        String s4 = String.join(" ",s1,s2,s3);
        System.out.println(s4);
        String s5 = String.join("**",s1,s2,s3);
        System.out.println(s5);
    }
}
```

s1 `'NS'` **s2** `'is'` **s3** `'best'`

join s1,s2,s3 with space in between

s4 `'NS  is  best'`

Code

String.join(" ", s1, s2, s3)

space

0 ⚠ 0 Live Share

Ln 60, Col 6   Spaces: 4   UTF-8   LF   {} Java

https://my.newtonschool.co/playground/code/iqvg5fw7ufcj/

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Arena question - Rev Strings
by Dr. Darshan Ingle

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Java (OpenJDK 13.0.1) ▾   16px ▾   ▶ Run   Submit

Status	Test Cases Passed
✅	8

Test Cases

Test case 0 ✅	
Test case 1 ✅	Hidden test case
Test case 2 ✅	**Status** Accepted
Test case 3 ✅	**Time** 0.187s
Test case 4 ✅	**Memory** 17688kB
Test case 5 ✅	

```java
import java.io.*; // for handling input/output
import java.util.*; // contains Collections framework

// don't change the name of this class
// you can add inner classes if needed
class Main {
    public static void main (String[] args) {
        // Your code here
        Scanner sc = new Scanner(System.in);
        String s = sc.next();
        for(int i=(s.length()-1); i>=0; i--)
            System.out.print(s.charAt(i));
    }
}
```

0 1 2

s | a | b | c |

s.length()=3

i = 3−1

Input **Output** • **Error**

```
1  cba
```

cba

AI SUGGESTIONS BETA

Found bugs in your code!

⚠ The results might deviate because this feature is still in beta.

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Arena question - Odd char...
by Dr. Darshan Ingle

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Test Cases

Test case 0 ✅ AC	Hidden test case
Test case 1 ✅ AC	**Status** Accepted
Test case 2 ✅ AC	**Time** 0.151s
Test case 3 ✅ AC	**Memory** 18000kB
Test case 4 ✅ AC	
Test case 5 ✅ AC	
Test case 6 ✅ AC	

```java
1   import java.io.*; // for handling input/output
2   import java.util.*; // contains Collections framework
3
4   // don't change the name of this class
5   // you can add inner classes if needed
6   class Main {
7       public static void main (String[] args) {
8           // Your code here
9           Scanner sc = new Scanner(System.in);
10          String s = sc.next();
11
12          for(int i=0;i<s.length();i++)
13          {
14              if(i%2==0)
15              {
16                  System.out.print(s.charAt(i)+" ");
17              }
18          }
19      }
20  }
```

⌃ Input   Output •   Error