Java Program to reverse words in a String

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This program reverses every word of a string and display the reversed string as an output. For example, if we input a string as "Reverse the word of this string" then the output of the program would be: "esrever eht drow fo siht gnirts".

To understand this program you should have the knowledge of following Java Programming topics:

1. For loop in Java
2. Java String split() method
3. Java String charAt() method

Example: Program to reverse every word in a String using methods

In this Program, we first split the given string into substrings using split() method. The substrings are stored in an String array `words`. The program then reverse each word of the substring using a reverse for loop.

```java
public class Example
{
   public void reverseWordInMyString(String str)
   {
       /* The split() method of String class splits
        * a string in several strings based on the
        * delimiter passed as an argument to it
        */
       String[] words = str.split(" ");
       String reversedString = "";
       for (int i = 0; i < words.length; i++)
       {
          String word = words[i];
          String reverseWord = "";
          for (int j = word.length()-1; j >= 0; j--)
          {
              /* The charAt() function returns the character
               * at the given position in a string
               */
              reverseWord = reverseWord + word.charAt(j);
          }
          reversedString = reversedString + reverseWord + " ";
       }
       System.out.println(str);
       System.out.println(reversedString);
   }
   public static void main(String[] args)
```

```
    {
        Example obj = new Example();
        obj.reverseWordInMyString("Welcome to BeginnersBook");
        obj.reverseWordInMyString("This is an easy Java Program");
    }
}
```
Output:

```
Welcome to BeginnersBook
emocleW ot kooBsrennigeB
This is an easy Java Program
sihT si na ysae avaJ margorP
```