

```
package StringBuilder;
public class Challenge1 {
    //Challenge: Reverse a string using StringBuilder
    public static void main(String[] args) {
        String str = "Hello World";
        StringBuilder st = new StringBuilder(str);
        System.out.println("Original string: "+str);
        System.out.println("Reversed string: "+st.reverse());
    }
}
```

```
package StringBuilder;
//Challenge: Append multiple strings using StringBuilder and print.
public class Challenge2 {
    public static void main(String[] args) {
        String s1 = "Hello";
        String s2 = "World";
        StringBuilder sb = new StringBuilder();
        sb.append(s1).append(" ").append(s2);
        System.out.println("Appended strings is: "+sb);
    }
}
```

```
package StringBuilder;
//Challenge: Replace characters in a string using StringBuilder
public class Challenge3 {
    public static void main(String[] args) {
        String s = "Hello World";
        StringBuilder sb = new StringBuilder(s);
        int l = sb.length();
        for (int i=0; i<l; i++) {
            if(sb.charAt(i)=='l') {
                sb.setCharAt(i, 'o');
            }
        }
        System.out.println("Original: "+s);
        System.out.println("After replacing 'l' with 'o': "+sb);
    }
}
```

```

package StringBuilder;
import java.util.Scanner;
//Challenge: Insert a word into a string at a specific position.
public class Challenge4 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String s = "Hello world, this challenge 4 from StringBuilder - Java Basics Coding
Challenges.";
        System.out.println(s);

        System.out.print("Enter a word to insert: ");
        String word = sc.nextLine();
        System.out.print("Enter the position to insert the word: ");
        int p = sc.nextInt();

        StringBuilder str = new StringBuilder(s);
        str.insert(p,word);
        System.out.println("Updated: "+str);
        sc.close();
    }
}

```

```

package StringBuilder;
//Challenge: Delete part of a string using StringBuilder
public class Challenge5 {
    public static void main(String[] args) {
        String s = "Hello world, this challenge 4 from StringBuilder - Java Basics Coding
Challenges.";
        System.out.println("Original: "+s);
        StringBuilder str = new StringBuilder(s);
        str.delete(5,11);
        System.out.println("After deletion: "+str);
    }
}

```