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package StringConcatenation;
import java.util.Scanner;
//Challenge: Concatenate first name and last name.
public class Challenge1 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter your firstname: ");
        String firstname = sc.nextLine();
        System.out.print("Enter your lastname: ");
        String lastname = sc.nextLine();

        System.out.println("Your fullname is: "+ firstname+" "+lastname);
        sc.close();
    }
}

```

```

package StringConcatenation;
import java.util.Scanner;
//Challenge: Combine name, age, and address using string concatenation.
public class Challenge2 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter your name: ");
        String name = sc.nextLine();
        System.out.print("Enter your address: ");
        String address = sc.nextLine();
        System.out.print("Enter your age: ");
        int age = sc.nextInt();

        System.out.println("Your name: '"+ name+"' age: '"+age+"' address:
        '"+address+"'");
        sc.close();
    }
}

```

```

package StringConcatenation;
//Challenge: Use concatenation inside a loop to build a pattern
public class Challenge3 {
    public static void main(String[] args) {
        String pattern = "";
        for (int i = 1; i <= 5; i++) {
            pattern += '*';
            System.out.println(pattern);
        }
    }
}

```

```
package StringConcatenation;
//Challenge: Demonstrate precedence of concatenation and addition
public class Challenge4 {
    public static void main(String[] args) {
        int a = 5;
        int b = 10;
        System.out.println("a + b = " + a + b);
        System.out.println("Sum is: " + (a + b));
    }
}
```

```
package StringConcatenation;
import java.util.Scanner;
//Challenge: Accept input strings and concatenate with formatting
public class Challenge5 {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter your firstname: ");
        String firstname = scanner.nextLine();
        System.out.print("Enter your lastname: ");
        String lastname = scanner.nextLine();
        System.out.println("Your fullname is: " + firstname + " "+lastname);
        System.out.printf("Formatted Fullname is: %s, %s\n", lastname, firstname);
        scanner.close();
    }
}
```