JAVA 8

Matching Methods : allMatch *VS* anyMatch *VS* noneMatch

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The *anyMatch* method helps to identify if a predicate matches at least one element . This will help in a situation where we need to confirm the existence of at least one option out of all options. This returns boolean value : *true or false*.

Example : Check whether *any element* in the list having Uppercase at the 0th index.

```
public class DemoFindAndMatch {
    public static void main(String[] args) {
        // Creating a Stream of Strings
        Stream<String> stream = Stream.of("Albert", "ram", "Monica");
        boolean answer = stream.anyMatch(str -> Character.isUpperCase(str.charAt(0)));
        // Displaying the result
        System.out.println(answer);
    }
}

//output : true
```

The *allMatch* method helps to identify if a predicate matches all elements . This will help in a situation where we need to confirm all elements in the given options must satisfy the conditions. This returns boolean value : *true or false*.

Example : Check whether *all element* in the list having Uppercase at the 0th index.

```
public class DemoFindAndMatch {
    public static void main(String[] args) {
        // Creating a Stream of Strings
        Stream<String> stream = Stream.of("Albert", "ram", "Monica");
        boolean answer = stream.allMatch(str -> Character.isUpperCase(str.charAt(0)));
        // Displaying the result
        System.out.println(answer);
    }
}

//output : false
```

The *noneMatch* method is just the opposite of *allMatch* method . It ensures that no element in the stream match the given predicate. This returns boolean value : *true or false*.

Example : Check whether *no element* in the list having Uppercase at the 0th index.

```
public class DemoFindAndMatch {
    public static void main(String[] args) {
        // Creating a Stream of Strings
        Stream<String> stream = Stream.of("Albert", "ram", "Monica");
        boolean answer = stream.noneMatch(str -> Character.isUpperCase(str.charAt(0)));
        // Displaying the result
        System.out.println(answer);
    }
}

//output : false
```