10.Writing a program in Java to verify implementations of regular expressions

```java
import java.util.regex.*;
class RegexExample2{
public static void main(String args[]){
System.out.println(Pattern.matches(".s", "as"));//true (2nd char is s)
System.out.println(Pattern.matches(".s", "mk"));//false (2nd char is not s)
System.out.println(Pattern.matches(".s", "mst"));//false (has more than 2 char)
System.out.println(Pattern.matches(".s", "amms"));//false (has more than 2 char)
System.out.println(Pattern.matches("..s", "mas"));//true (3rd char is s)
}
}
```

OUTPUT:

truefalse

false

false

true