

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

ALGORITHM

Step 1:Start

Step 2: Assign the pattern to check

Step 3: Enter the string

Step 4:check the matching

Step 5: If match found , return true

Step 6: else return false

Step 7:Stop

SOURCE CODE

//implementing regular expressions

```
package assistedPracticeProject;

import java.util.regex.*; //importing classes

public class Practice_Project10
{
    public static void main(String args[])
    {
        String pattern = ".ava"; //pattern to check
        String check = "Java"; //string on which pattern to be checked
        Pattern p = Pattern.compile(pattern);
        Matcher c = p.matcher(check);
        boolean b=c.matches(); //checking if match found or not
        //returns a boolean result and stores in b
        System.out.println("MATCH FOUND = "+b);

        String pattern1 = "[.ava]";
        String check1 = "amn";
```

```
        Pattern p1 = Pattern.compile(pattern1);

        Matcher c1 = p1.matcher(check1);

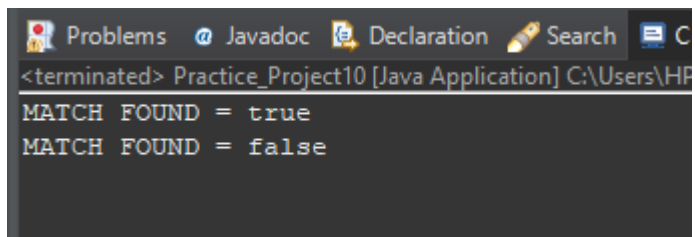
        boolean b1=c1.matches();

        System.out.println("MATCH FOUND = "+b1);

    }

}
```

OUTPUT



```
<terminated> Practice_Project10 [Java Application] C:\Users\HP
MATCH FOUND = true
MATCH FOUND = false
```