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