

Program 11

```
package com.mycompany.prg11;

/**
 *
 * @author 1BSCCSA59
 */
import java.util.*;

public class Prg11 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter three angle of a triangle");
        int a= sc.nextInt();
        int b= sc.nextInt();
        int c = sc.nextInt();
        int total = a+b+c;
        if(total == 180){
            if (a < 90 &&b< 90 &&c < 90) {
                System.out.println("Acute-angled Triangle");
            }
            else if (a == 90 || b == 90 || c == 90) {
                System.out.println("Right-angled Triangle");
            }
            else {
                System.out.println("Obtuse-angled Triangle");
            }
        }else{
            System.out.println("Triangle not possible");
        }
    }
}
```

Output:

```
Enter three angle of a triangle
45
45
90
Right-angled Triangle

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BUILD SUCCESS
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Total time: 56.320 s
Finished at: 2025-12-19T13:38:12+05:30
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```