

```
package com.itbulls.learnit.javacore.operations.hw;
```

```
import java.util.Scanner;
```

```
public class AreaOfTriangle {
```

```
    public static void main(String[] args) {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("This program will calculate area of triangle.");
```

```
        System.out.print("Please, enter A side of a triangle: ");
```

```
        double aSide = sc.nextDouble();
```

```
        System.out.print("Please, enter B side of a triangle: ");
```

```
        double bSide = sc.nextDouble();
```

```
        System.out.print("Please, enter C side of a triangle: ");
```

```
        double cSide = sc.nextDouble();
```

```
        double p = (aSide + bSide + cSide) / 2;
```

```
        double triangleArea = Math.sqrt(p * (p - aSide)  
                                           * (p - bSide) * (p - cSide));
```

```
        System.out.println("Triangle area is: " + triangleArea);
```

```
    }
```

```
}
```