

```
1
2 public class Tugas {
3
4     public static void main(String[] args) {
5
6         String nama = "Ilham Arifin";
7         String nim = "0110223244";
8
9         double a = 2;
10        double b = 3;
11        double y = 90;
12
13        double gammaRadian = Math.toRadians(y);
14        double c = Math.sqrt(Math.pow(a, 2) + Math.pow(b, 2) - 2 * a * b * Math.cos(gammaRadian));
15
16        System.out.println("Nama: " + nama);
17        System.out.println("NIM: " + nim);
18        System.out.println("Nilai a: " + a);
19        System.out.println("Nilai b: " + b);
20        System.out.println("Nilai y: " + y);
21        System.out.println("Rumus Hukum Cosinus: \n c = Math.sqrt((a * a + b * b) - 2 * a * b * Math.cos(y))");
22        System.out.println("Hasil dari c adalah: " + c);
23    }
24
25 }
26
```

```
[Running] cd "c:\data-ipin\kuliah-semester3\pola_desain_perangkat_lun
```

```
Nama: Ilham Arifin
```

```
NIM: 0110223244
```

```
Nilai a: 2.0
```

```
Nilai b: 3.0
```

```
Nilai y: 90.0
```

```
Rumus Hukum Cosinus:
```

```
c = Math.sqrt((a * a + b * b) - 2 * a * b * Math.cos(y))
```

```
Hasil dari c adalah: 3.605551275463989
```

```
[Done] exited with code=0 in 1.071 seconds
```