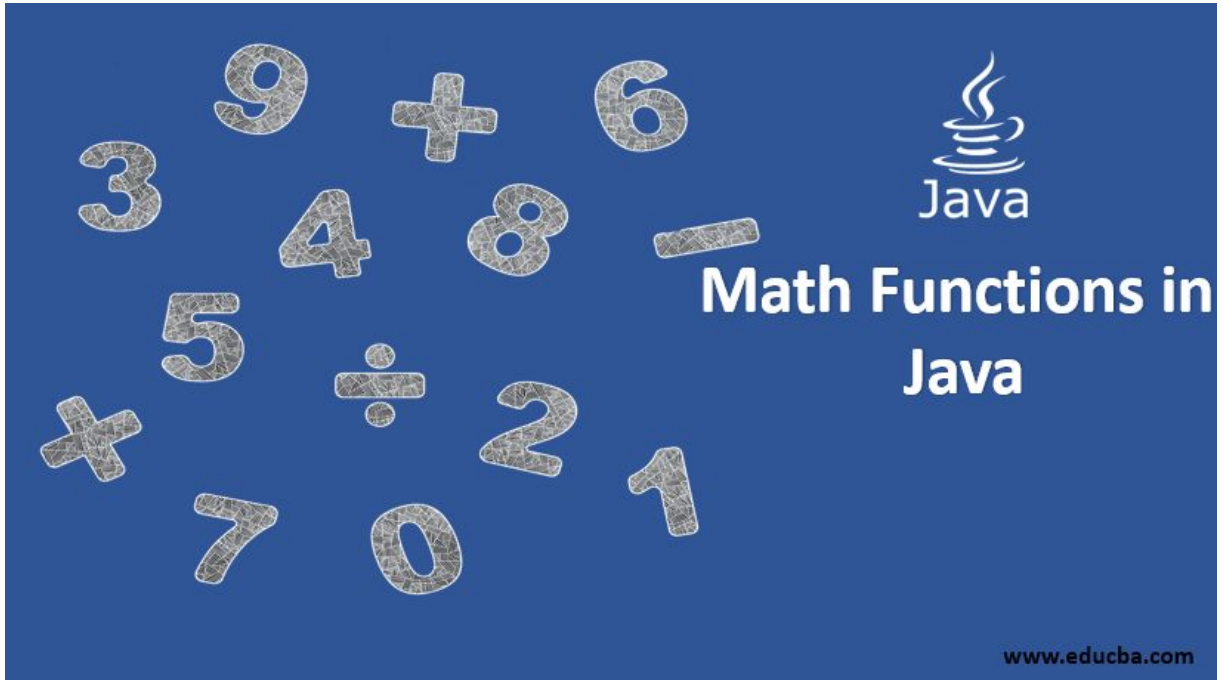
"Biežāk lietotās funkcijas darbam ar skaitliskajiem mainīgajiem programmēšanas valodā Java"

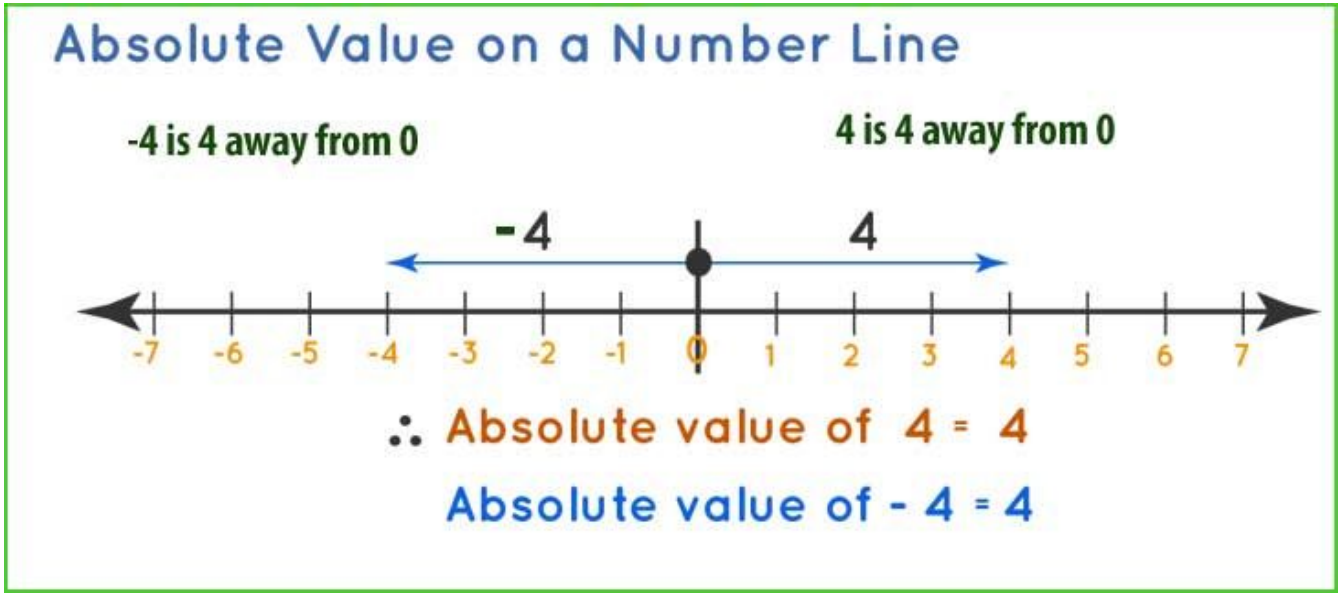
Niks Lomonosovs 2PT

Matematiskās funkcijas



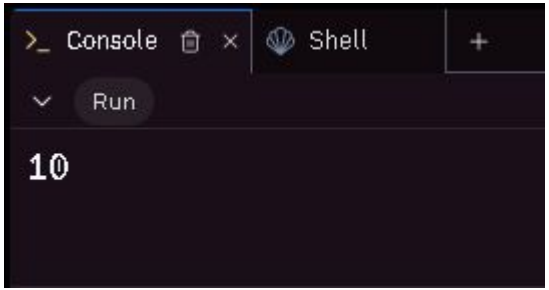
Math.abs

Funkcija kas atgriež absolūto vērtību



Koda piemērs ar Math.abs funkciju

```
1
2  public class Main {
3      public static void main(String[] args) {
4          int x = Math.abs(-10);
5          System.out.println(x);
6      }
7  }
```



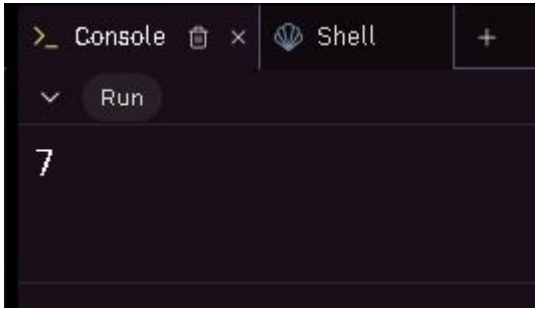
Math.max & Math.min

Funkcija kas norāda maksimālo un minimālo vērtību

Koda piemērs ar Math.max un Math.min

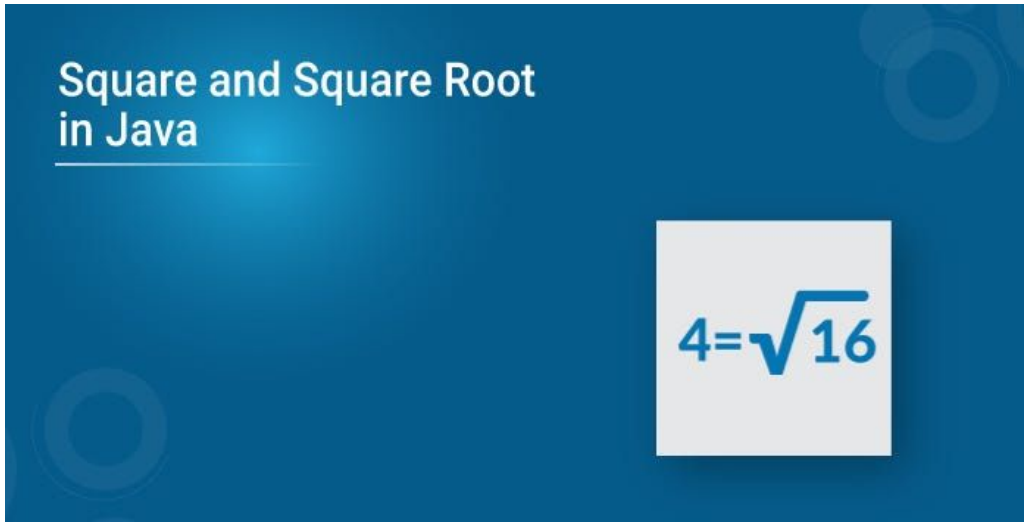
```
1
2  public class Main {
3      public static void main(String[] args) {
4          int x = 12;
5          int y = 7;
6          System.out.println(Math.max(x, y));
7      }
8  }
```

```
1
2  public class Main {
3      public static void main(String[] args) {
4          int x = 12;
5          int y = 7;
6          System.out.println(Math.min(x, y));
7      }
8  }
```



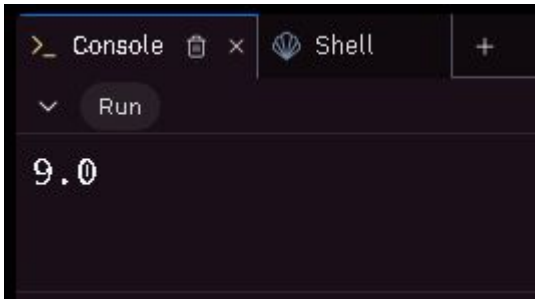
Math.sqrt

Funkcija kas nosaka skaitļa kvadrātsakni



Koda piemērs ar Math.sqrt

```
1
2  public class Main {
3    public static void main(String[] args) {
4      int x = 81;
5      System.out.println(Math.sqrt(x));
6    }
7  }
```



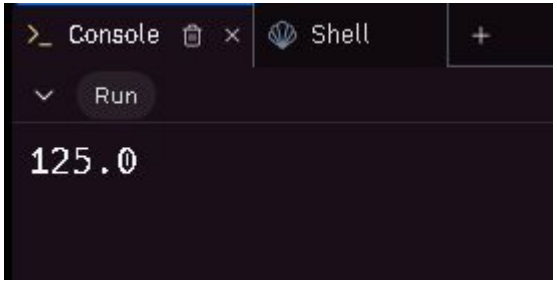
Math.pow

Funkcija kas aprēķina skaitli pakāpē

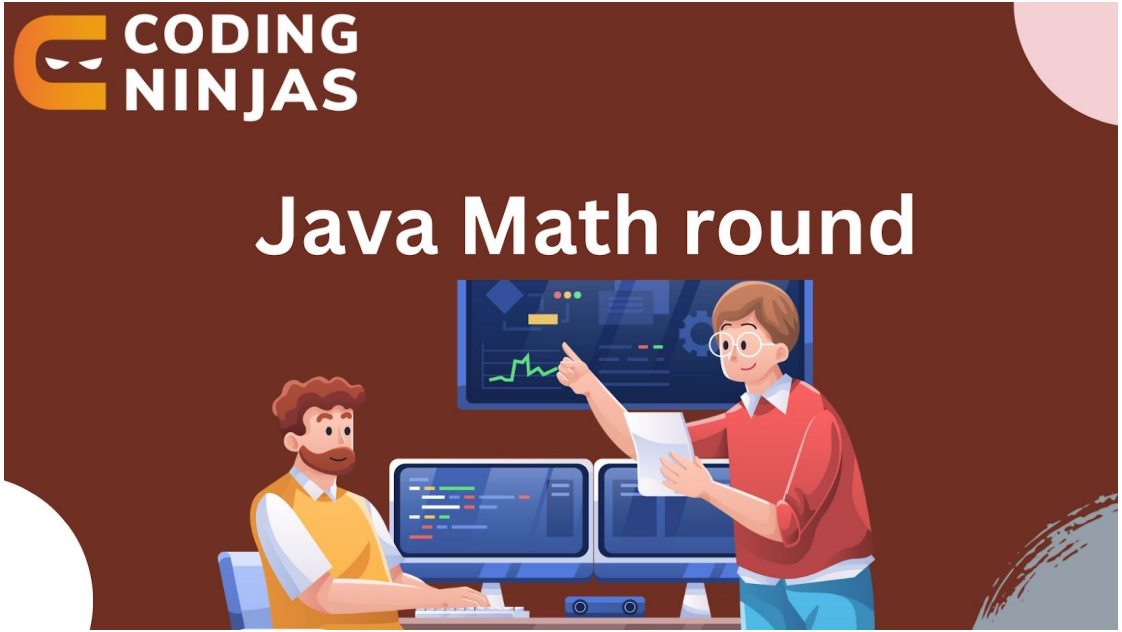
Koda piemērs

```java

public class Main {
  public static void main(String[] args) {
    double x = 5;
    double y = Math.pow(x,3);
    System.out.println(y);
  }
}
```

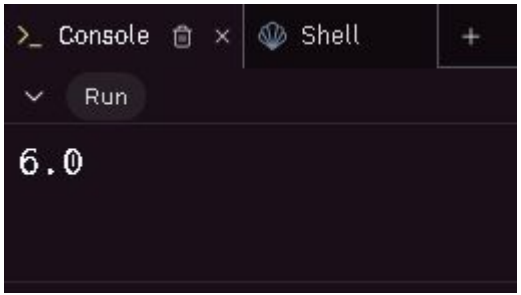


Math.round

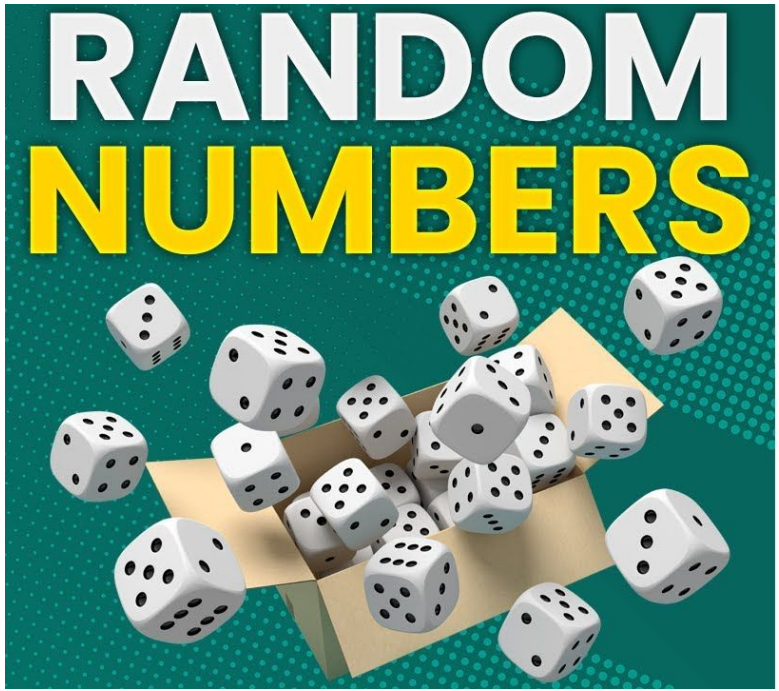


Koda piemērs

```java
public class Main {
  public static void main(String[] args) {
    double x = 5.5;
    double y = Math.round(x);
    System.out.println(y);
  }
}
```



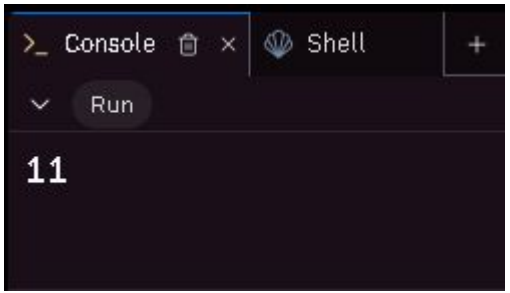
Random skaitļa funkcijas



Java™

Koda piemērs ar Random paņemienu

```java
import java.util.Random;
public class Main {
  public static void main(String[] args) {
    Random rand = new Random();
    int x = rand.nextInt(15);
    System.out.println(x);
  }
}
```

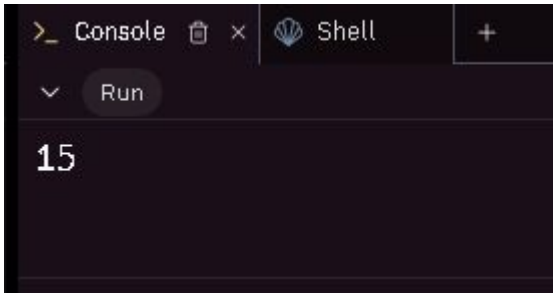


String vērtības pārveršana uz int

Koda piemērs

```java

public class Main {
  public static void main(String[] args) {
    String x = "15";
    int y = Integer.parseInt(x);
    System.out.println(y);
  }
}
```

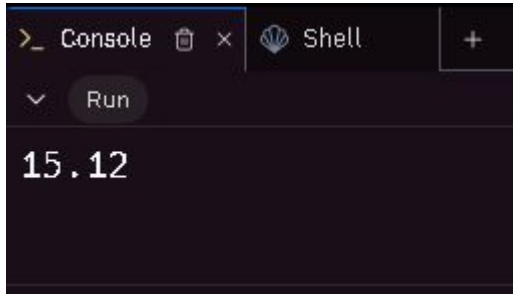


String vērtības pārveršana uz Double

Koda piemērs

```java

public class Main {
    public static void main(String[] args) {
        String x = "15.12";
        double y = Double.parseDouble(x);
        System.out.println(y);
    }
}
```



Paldies par uzmanību!

Izmantotie avoti

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I.Znotiņas prezentācijas:)