How to get the user input from the console?

Get different types of data from the console

In **Java**, you can get user input from the console using various methods. The most common way is by using the **Scanner** class from the java.util package.

**Create a Scanner object:**

Scanner scanner = new Scanner(System.in);

**Use appropriate methods to read data based on the data type:**

* nextInt() → For integers
* nextDouble() → For floating-point numbers
* next() → For a single word (without spaces)
* nextLine() → For a line of text (including spaces)
* nextBoolean() → For boolean values (true or false)
* nextLong(), nextFloat(), nextByte(), etc. → For other data types

**Example:** Get Different Types of Data from Console

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| --- |
| import java.util.Scanner;  public class UserInputExample  {  public static void main(String[] args)  {  // **Creating Scanner object**  Scanner scanner = new Scanner(System.in);    // **Reading String**  System.out.print("Enter your name: ");  String name = scanner.nextLine();        // **Reading Integer**  System.out.print("Enter your age: ");  int age = scanner.nextInt();    // **Reading Double**  System.out.print("Enter your height (in meters): ");  double height = scanner.nextDouble();    // **Reading Boolean**  System.out.print("Are you a student? (true/false): ");  boolean isStudent = scanner.nextBoolean();    // **Reading Single Word**  System.out.print("Enter your favorite color: ");  String color = scanner.next(); // Reads a single word    // **Displaying the input values**  System.out.println("\n--- User Information ---");  System.out.println("Name: " + name);  System.out.println("Age: " + age);  System.out.println("Height: " + height + " meters");  System.out.println("Student: " + isStudent);  System.out.println("Favorite Color: " + color);    // **Closing the scanner**  scanner.close();  }  } |

**Example:**

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| --- |
| import java.util.Scanner;  public class UserInput  {  public static void main(String[] args)  {  Scanner scanner = new Scanner(System.in);  System.out.println("What is your name");  String name = scanner.nextLine();  System.out.printf("Hey %s, How are you? \n", name);  String status = scanner.nextLine();  System.out.println("What is your age?");  int age = scanner.nextInt();  System.out.print("Thankyou for the information");  } |