Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
NAAC A++
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology

Vision of the Department

To be a well-known centre for pursuing computer education through innovative pedagogy, value-based education and industry collaboration.

Mission of the Department

To establish learning ambience for ushering in computer engineering professionals in core and multidisciplinary area by developing Problem-solving skills through emerging technologies.

Session 2025-2026

Vision: *To be a well-known centre for pursuing computer education through innovative pedagogy, value-based education and industry collaboration*	**Mission:** *To establish learning ambience for ushering in computer engineering professionals in core and multidisciplinary area by developing Problem-solving skills through emerging technologies.*

Program Educational Objectives of the program (PEO): (broad statements that describe the professional and career accomplishments)

PEO1	**Preparation**	**P: Preparation**	**Pep-CL abbreviation pronounce as Pep-si-lL easy to recall**
PEO2	**Core Competence**	**E: Environment (Learning Environment)**	
PEO3	**Breadth**	**P: Professionalism**	
PEO4	**Professionalism**	**C: Core Competence**	
PEO5	**Learning Environment**	**L: Breadth (Learning in diverse areas)**	

Program Outcomes (PO): (statements that describe what a student should be able to do and know by the end of a program)

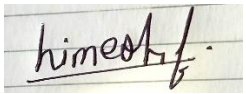
Keywords of POs:
Engineering knowledge, Problem analysis, Design/development of solutions, Conduct Investigations of Complex Problems, Engineering Tool Usage, The Engineer and The World, Ethics, Individual and Collaborative Team work, Communication, Project Management and Finance, Life-Long Learning

PSO Keywords: Cutting edge technologies, Research

"I am an engineer, and I know how to apply engineering knowledge to investigate, analyse and design solutions to complex problems using tools for entire world following all ethics in a collaborative way with proper management skills throughout my life." *to contribute to the development of cutting-edge technologies and Research*.

Integrity: I will adhere to the Laboratory Code of Conduct and ethics in its entirety.

Name and Signature of Student and Date
Himesh Fadnavis



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Session	**2025-26 (EVEN)**	**Course Name**	**JAVA FSD Lab**
Semester	**IV**	**Course Code**	**23ADS1407**
Roll No	**55**	**Name of Student**	**Himesh Vinod Fadnavis**

Practical Number	**1**
Course Outcome	1. Develop backend applications using object-oriented programming concepts and implement data persistence using relational databases. 2. Design and implement interactive and responsive user interfaces using standard web technologies. 3. Build and integrate complete web applications by combining client-side and server-side components
Aim	Introduction to JDK (IntelliJ)and running Java program using Data types.
Problem Definition	Explore JDK (IntelliJ) in detail and get acquainted with the Software by simply Running JAVA data types.
Theory (100 words)	The Java Development Kit (JDK) is a software package that provides tools required to develop and run Java programs. It includes the Java compiler (javac), Java Runtime Environment (JRE), and essential libraries. IntelliJ IDEA is an Integrated Development Environment (IDE) that simplifies Java programming by providing features like code editor, auto-completion, error detection, and easy program execution. To run a Java program in IntelliJ, a Java project is created, a class with the main() method is written, and the program is executed using the Run option. Java data types specify the type of data a variable can store. Common primitive data types include int, float, double, char, and boolean. By writing and running simple programs using these data types, users become familiar with the JDK setup, IntelliJ interface, and basic Java syntax. *Install IntelliJ IDEA* 1. Go to https://www.jetbrains.com/idea/

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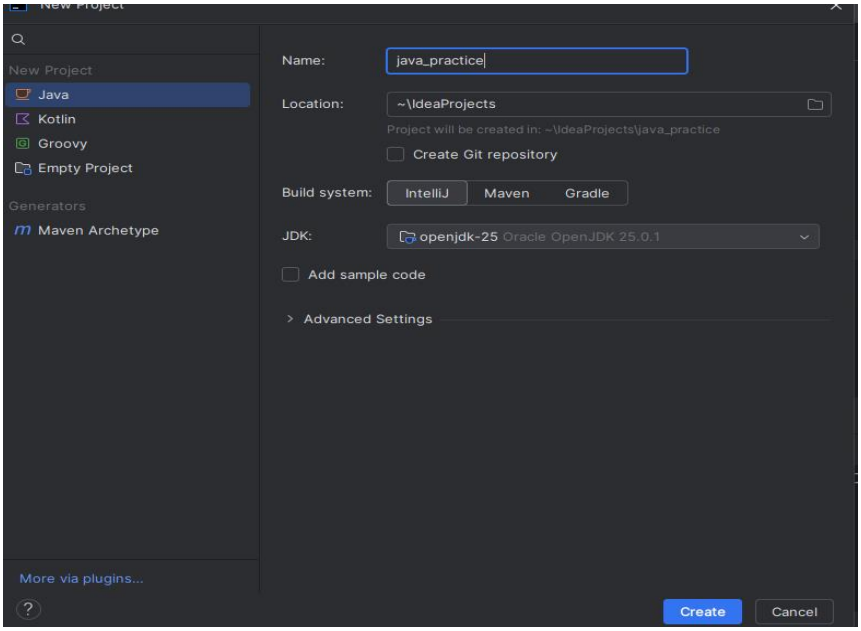
2. Download **IntelliJ IDEA Community Edition (Windows .exe)**
3. Open the downloaded file
4. Click **Next**
5. Check **Add to PATH** and **.java file association**
6. Click **Install**
7. Open IntelliJ IDEA after installation

- Open IntelliJ IDEA
- Click **New Project**
- Select **Java**



Create new file and name it main

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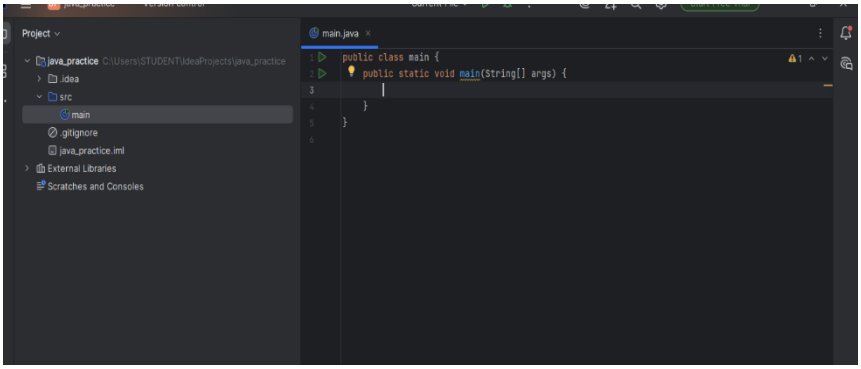
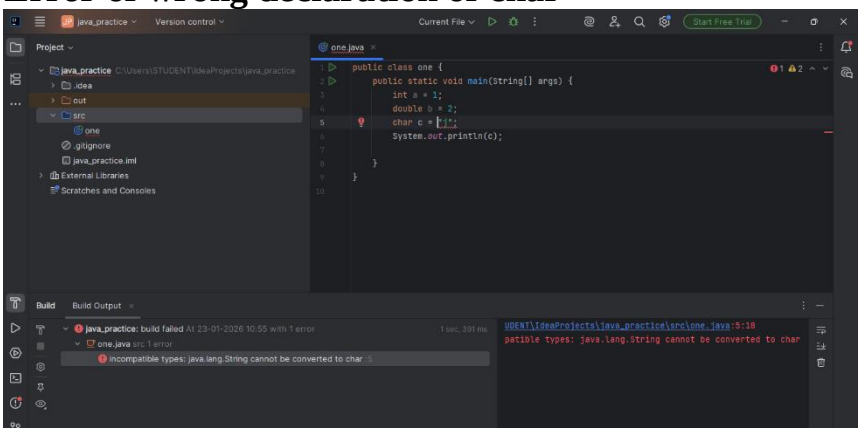
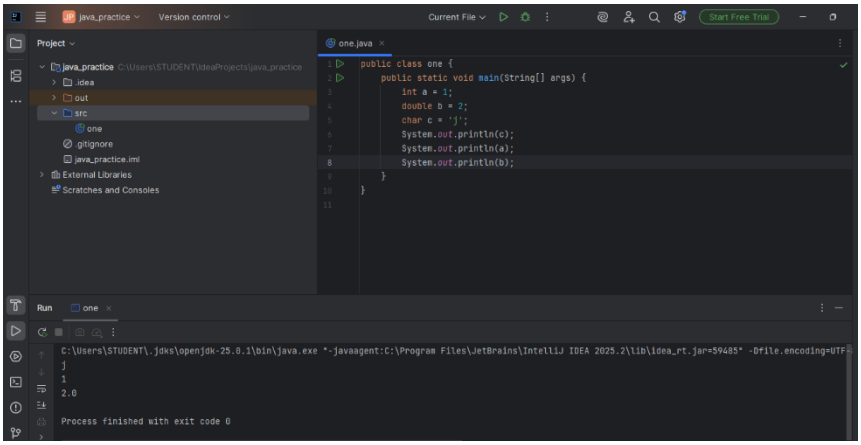


Error of wrong declaration of char



Solved error:



Final code:

```java
public class one {
    public static void main(String[] args) {
        int a = 1;
        double b = 2;
        char c = 'j';
        boolean d = true;
        float f = 3.14f;
        long population = 2000000;
        String s = "hello";
        System.out.println(c);
        System.out.println(a);
        System.out.println(b);
        System.out.println("AYUSH IS NOOB?"+d);
        System.out.println(s);
        System.out.println(f);
        System.out.println(population);
    }
}
```

Procedure and Execution

(100 Words)

Algorithm:

Java Program Demonstrating Data Types

1. Start
2. Create class one
3. Create the main() method
4. Declare integer variable and assign value
5. Declare double variable and assign value
6. Declare character grade and assign value
7. Declare boolean variable and assign value
8. Print all variable values on the console
9. Stop

Code:

```
public class one {
   public static void main(String[] args) {
      int a = 1;
      double b = 2;
      char c = 'j';
```

```
        boolean d = true;
        float f = 3.14f;
        long population = 2000000;
        String s = "hello";
        System.out.println(c);
        System.out.println(a);
        System.out.println(b);
        System.out.println("AYUSH IS NOOB?"+d);
        System.out.println(s);
        System.out.println(f);
        System.out.println(population);
    }
}
```

Output:

Output Analysis	The program successfully demonstrates the use of different Java data types such as int, double, char, and boolean. Each variable is assigned a value and printed on the console using System.out.println(). The program executes without errors, showing that the JDK and IntelliJ IDEA environment is correctly configured.
Link of student Github profile where lab assignment has been uploaded	
Conclusion	Thus, the Java program was executed successfully using IntelliJ IDEA. This experiment helped in understanding Java data types and familiarization with the JDK and IntelliJ development environment.

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Plag Report (Similarity index < 12%)	
Date	**23-01-2026**

Paste here Faculty signed observation page.

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Page No.:
Date: / /

Prac 1:-

Aim:- Installation of JAVA (JDK) and introduction to Java Programming (data types available in Java)

Code:-

```
Public class one{
    Public Static void main(String[] args){
        int a=1;
        double b=2;
        Char c='j';
        boolean d=true;
        float f=3.14f;
        long population=2000000;
        String s="hello";
        System.out.println(c);
        System.out.println(a);
        System.out.println(b);
        System.out.println("AYUSH IS NOOB?"+d);
        System.out.println(s);
        System.out.println(f);
        System.out.println(population);
    }
}
```

Output:-

```
j
1
2.0
AYUSH NOOB?TRUE
Hello
3.14
2000000
```

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