

**Indian Institute of Technology Kharagpur**  
**Department Of Computer Science and Engineering**  
**Software Engineering Lab (CS29006)**  
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**Lab 1: Simple Programming using JAVA**

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1. Write a java program that will print "Hello World".
2. Write a java program that will print first 10 natural numbers.
3. Write a java program which will take two numbers as inputs and print the largest number.
4. Write a java program that will find the average of first ten natural numbers using array and print the output.
5. Write a java code that will take a 2D array as input and print the values of the array.
6. Write a java program which will take a 3D matrix as inputs and calculates each element as "i\*j\*k", where "i" indicates the row, "j" indicates the column, and "k" indicates the width. Print the value of the matrix.
7. Write a java class which defines the area and circumference of a circle. Take the radius of the circle and calculate the area and circumference.
8. Using the above class, check whether a given point is inside the circle or outside the circle.
9. Write a java class to calculate the factorial of a number recursively.

\*\*\*\*\* THE END \*\*\*\*\*