



SNS COLLEGE OF ENGINEERING

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23CSB101

OBJECT ORIENTED PROGRAMMING

C VS JAVA

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C VS JAVA



```
#include <stdio.h>
void main()
{
printf("Hello, World!\n");
}
```

```
public class HelloWorld {
public static void main(String[] args)
{
System.out.println("Hello, World!");
}
}
```

**Without class is
not possible**



C VS JAVA



Feature	C	Java
Compilation	Uses <code>gcc</code> (e.g., <code>gcc file.c -o file</code>)	Uses <code>javac</code> (e.g., <code>javac HelloWorld.java</code>)
Execution	Runs as <code>./file</code>	Runs using <code>java HelloWorld</code>
Paradigm	Procedural	Object-Oriented
Memory Management	Manual (<code>malloc</code> , <code>free</code>)	Automatic (Garbage Collection)
Portability	Compiled to machine code (platform-dependent)	Compiled to <code>bytecode</code> (platform-independent)



THANK YOU