

SNS COLLEGE OF TECHNOLOGY

Coimbatore-35. An Autonomous Institution



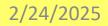
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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING COURSE CODE & NAME : 23CST205 - Object Oriented Programming Using Java

II YEAR/ III SEMESTER

UNIT – I INTRODUCTION TO OOP

Topic: Byte Code



Byte Code/23CST205 - Object Oriented Programming Using Java/Vanitha.G/AP/CSE/SNSCT



BYTE CODE

- A program written in a high-level language is called a *source program* or *source code*.
- ➢ To run the source code of a Java program, we need a Java compiler and a Java interpreter.
- The Java compiler compiles source files (.java) to generate bytecode (.class) files.
- Although the bytecode is similar to machine level codes, it is not directly executable.





- \succ The bytecode is similar to machine instructions
- \blacktriangleright It is architecture neutral and can run on any platform that has a Java Virtual Machine (JVM).
- \succ The virtual machine is a program that interprets Java bytecode.
- \succ This is one of Java's primary advantages: Java bytecode can run on a variety of hardware platforms and operating systems.



BYTE CODE Generation

