



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited by NAAC-UGC with 'A++' Grade (Cycle III) &

Accredited by NBA (B.E - CSE, EEE, ECE, Mech & B.Tech.IT)

COIMBATORE-641 035, TAMIL NADU



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

COURSE CODE & NAME : 23CST205 - Object Oriented Programming Using Java

II YEAR/ III SEMESTER

UNIT-I : INTRODUCTION TO OOP

Topic: Object Oriented Programming concepts–Objects



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.



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



BYTE CODE Generation



