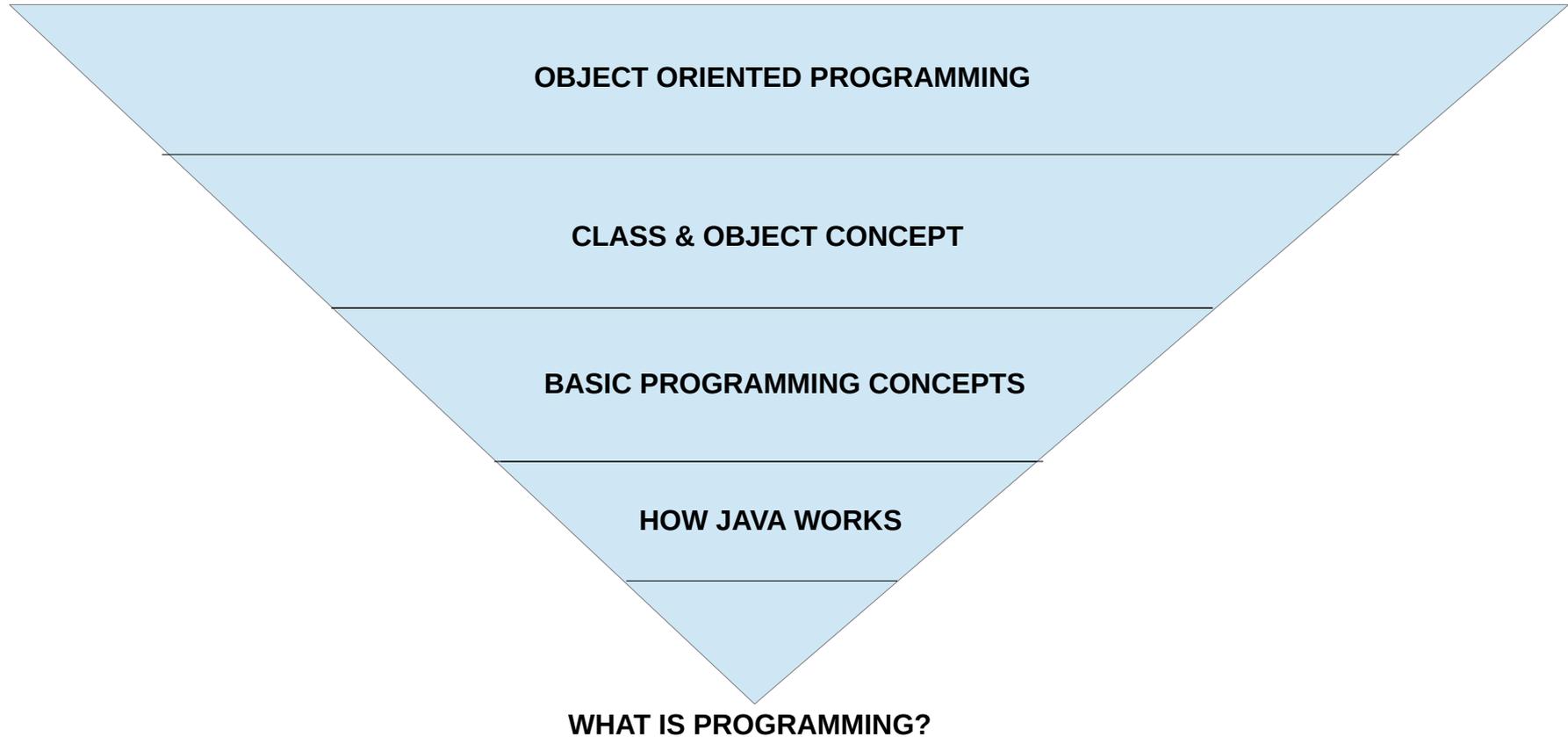


CORE JAVA (JAVA SE)



COURSE IS FOR

- SRILANKAN UNDERGRADUATES WHO WANT TO BRUSH UP THEIR PROGRAMMING & JAVA KNOWLEDGE
- AFTER A/L STUDENTS
- SRILANKAN ICT TEACHERS
- JAVA LECTURERS WHO WANT TO LEARN THE BASICS OF PROGRAMMING & JAVA
- SRILANKAN INTERNS
- ANYONE WHO IS WILLING TO LEARN COMPUTER PROGRAMMING FROM THE BEGINNING

COURSE IS NOT FOR

- PEOPLE WHO IS LOOKING FOR DESIGN PATTERNS, DATA STRUCTURES KNOWLEDGE
- PEOPLE WHO IS LOOKING FOR ENTERPRISE LEVEL APPLICATION DEVELOPMENT KNOWLEDGE
- WHO FEELS THAT THEY HAVE ALREADY MASTERED JAVA

COURSE STRUCTURE

1. HOW JAVA WORKS

- INTRODUCTION TO PROGRAMMING
- NEED OF THE PROGRAMMING LANGUAGES
- BIT OF A BACKGROUND ABOUT JAVA
- RUN YOUR FIRST JAVA PROGRAM

2. BASIC PROGRAMMING CONCEPTS WITH JAVA

- NETBEANS IDE
- JAVA VARIABLES & DATA TYPES
- JAVA OPERATORS
 - ARITHMETIC
 - ASSIGNMENT
 - COMPARISON
 - LOGICAL
- JAVA CONTROL STRUCTURES
 - IF/ELSE
 - SWITCH/CASE
 - WHILE LOOP
 - FOR LOOP

COURSE STRUCTURE

3. CLASS & OBJECT CONCEPTS WITH JAVA

- CLASS & OBJECT INTRODUCTION
- CLASS & OBJECT IMPLEMENTATION IN JAVA
- METHODS IN JAVA
- METHODS, CLASSES, AND OBJECTS PRACTICAL USAGE
- CONSTRUCTOR
- "this" KEYWORD

4. OOP CONCEPTS WITH JAVA

- ENCAPSULATION
- JAVA PACKAGES
- HOW TO IMPORT PACKAGE IN JAVA
- INHERITANCE
- POLYMORPHISM
- METHOD OVERLOADING & OVERRIDING
- RUNTIME POLYMORPHISM
- ABSTRACTION
- ABSTRACT CLASS
- INTERFACE
- MULTIPLE INHERITANCE
- ACCESS MODIFIERS
 - PRIVATE
 - DEFAULT
 - PROTECTED
 - PUBLIC

COURSE STRUCTURE

5. EXCEPTIONS & EXCEPTION HANDLING WITH JAVA

- JAVA EXCEPTIONS INTRODUCTION
- HOW EXCEPTIONS WORK
- EXCEPTION HANDLING WITH TRY/CATCH

6. JAVA I/O OPERATIONS

- USER INPUT
- WRITING TO A FILE
- READING FROM A FILE

COURSE LECTURER



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Founder Of Ecampus