

Report on Webinar

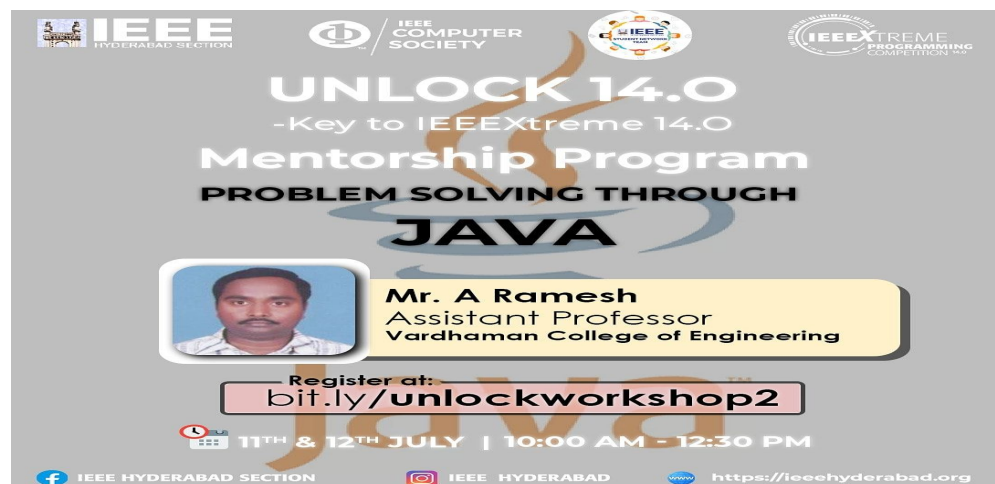
Date & Time : 11th & 12th July ,2020 from 10:00 am to 12:30 pm

Description: To demonstrate “Problem Solving Through Java”

IEEE Computer Society, Hyderabad Section, and IEEE Xtreme14.0 had organized the webinar-based Tech Talk on the “Problem Solving Through Java”. Mr. Balaprasad Peddigari, the Secretary of the IEEE Hyderabad Section hosted the webinar with 100 delegates and appreciated their interest.

Mr.Saikumar Tara has addressed Mr. A Ramesh to the audience and briefed about the speaker for the webinar is the Assistant Professor at Vardhaman College Of Engineering. He has a Vast Experience in Java Programming.

Mrs. A Ramesh has started the session by sharing his knowledge on Basics Of Programmimg and Java, It’s Versions.



The poster is for a webinar titled "UNLOCK 14.0 - Key to IEEE Xtreme 14.0 Mentorship Program". The main theme is "PROBLEM SOLVING THROUGH JAVA". The speaker is Mr. A Ramesh, an Assistant Professor at Vardhaman College of Engineering. The event is organized by the IEEE Hyderabad Section and the IEEE Computer Society. The registration link is bit.ly/unlockworkshop2. The dates are 11th & 12th July, 2020, from 10:00 AM to 12:30 PM. The poster also includes logos for IEEE Hyderabad Section, IEEE Computer Society, and IEEE Xtreme Programming Competition 14.0. Social media icons for Facebook, Instagram, and a website link <https://ieeehyderabad.org> are at the bottom.

The importance of Programming and Coding has covered five major subtopics to be performed.

1. Problems Solving Approaches
2. Example
3. Coding Strategies
4. Cracking the Logics
5. Summary

Mrs. A Ramesh started on the first topic Problem Solving Approaches.

Read and Understanding the Problem Statement(Until inner Logic is Craked)
and Analyse the Pseudo code and Implement the code Part.

Enhance the to Multiple inputs and Debugging.

Optimizing the code is essential for Every programmer for Better Results.
Commenting the important points needed for Better Understanding of The Code.

Eduonix

A programming language and computing platform

Developed By → Sun microsystems

Principle → Write Once Run Anywhere (W.O.R.A)

From laptops to datacentres, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere!

◀ 2 of 13 ▶

This extensive course covers all the topics which will definitely make you a Java Superstar. This course will teach you the following.

- Java Syntax and basic programming specifications
- Object oriented programming in java
- Polymorphism and Abstraction in Java
- Exception Handling and Generics
- Design patterns and Code Reuse
- Important Data structures for Java
- Java Stream and Concurrency
- Java deployment and Tools

You can do almost anything in Java after this course. You will surely be a better programmer and better still a Elegant programmer after this course. So go ahead and be the Java developer you want to be...

Mrs. A Ramesh has continued the second topic as Coding Strategies to the Students.

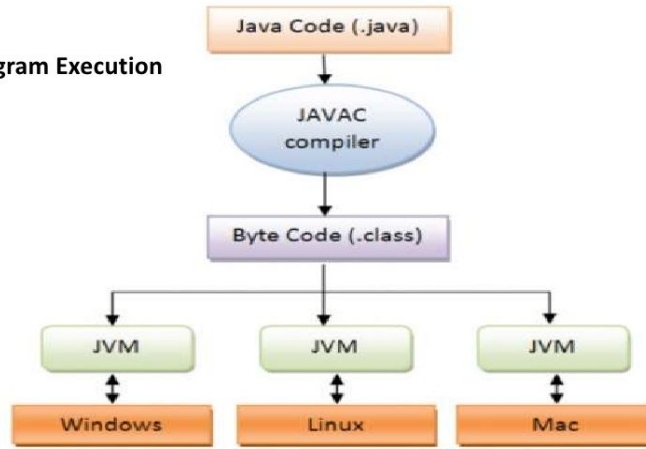
JAVA CONTROLS

- Variables and Constants
- Arithmetic Operator and Expressions
- Type Conversion in Java
- Comments in Java(3 Types)
- Java's Control Statements
 - If
 - If-else
 - Do-while
 - While
 - for
 - Increment and Decrement Operators
 - Escape Sequences Characters
 - Relational and Logical Operators
 - Ternary Operators
 - Switch case
 - Break
 - Bitwise Operators
 - Arrays-Single and Multidimensional

Mrs. A Ramesh has explained about Various Controls in Java and its Applications.

Java is architecture-neutral

JAVA Program Execution

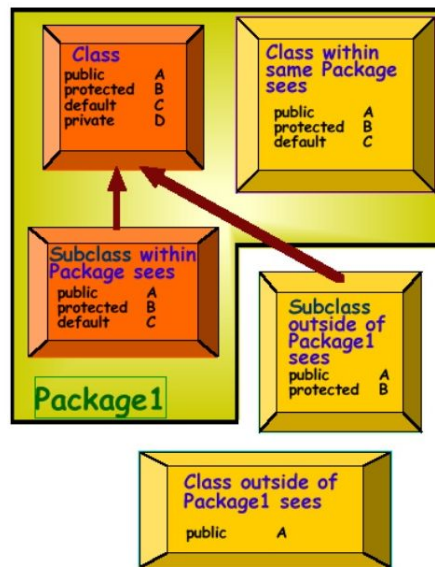


9/15/2011

Object Oriented Programming using JAVA

17

Mr. A Ramesh handled the session on the Pseudo Code Approach.



A summary of Java scoping visibility

```

package shapes;           // Specify a package for the class
public class Circle {     // The class is still public
    public static final double PI = 3.14159;

    protected double r;   // Radius is hidden, but visible to subclasses

    // A method to enforce the restriction on the radius
    // This is an implementation detail that may be of interest to subclasses
    protected checkRadius(double radius) {
        if (radius < 0.0)
            throw new IllegalArgumentException("radius may not be negative.");
        }
    // The constructor method
    public Circle(double r) {checkRadius(r); this.r = r; }

    // Public data accessor methods
    public double getRadius() { return r; };
    public void setRadius(double r) { checkRadius(r); this.r = r;}

    // Methods to operate on the instance field
    public double area() { return PI * r * r; }
    public double circumference() { return 2 * PI * r; }
}

```

Example

encapsulation

Clip slide

UMBC CMSC 331 Java

22

Mrs. A Ramesh has explained the problem solving in programming with the strategic approach.

The outcome of the Webinar:

The Delegates learned in detail about the topics like Programming inJava and Why Java is Important ?, Algorithmic approach, Pseudo code analysis and Trial and Error methods.

