Report on Webinar

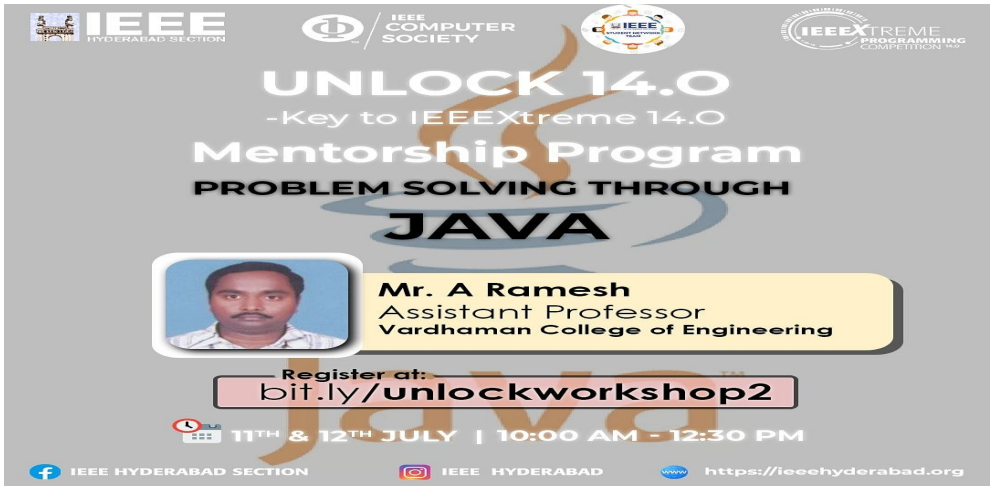
Date & Time : 11th & 12th July ,2020 from 10:00 am to 12:30 pm

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 Programmming and Java, It's Versions.

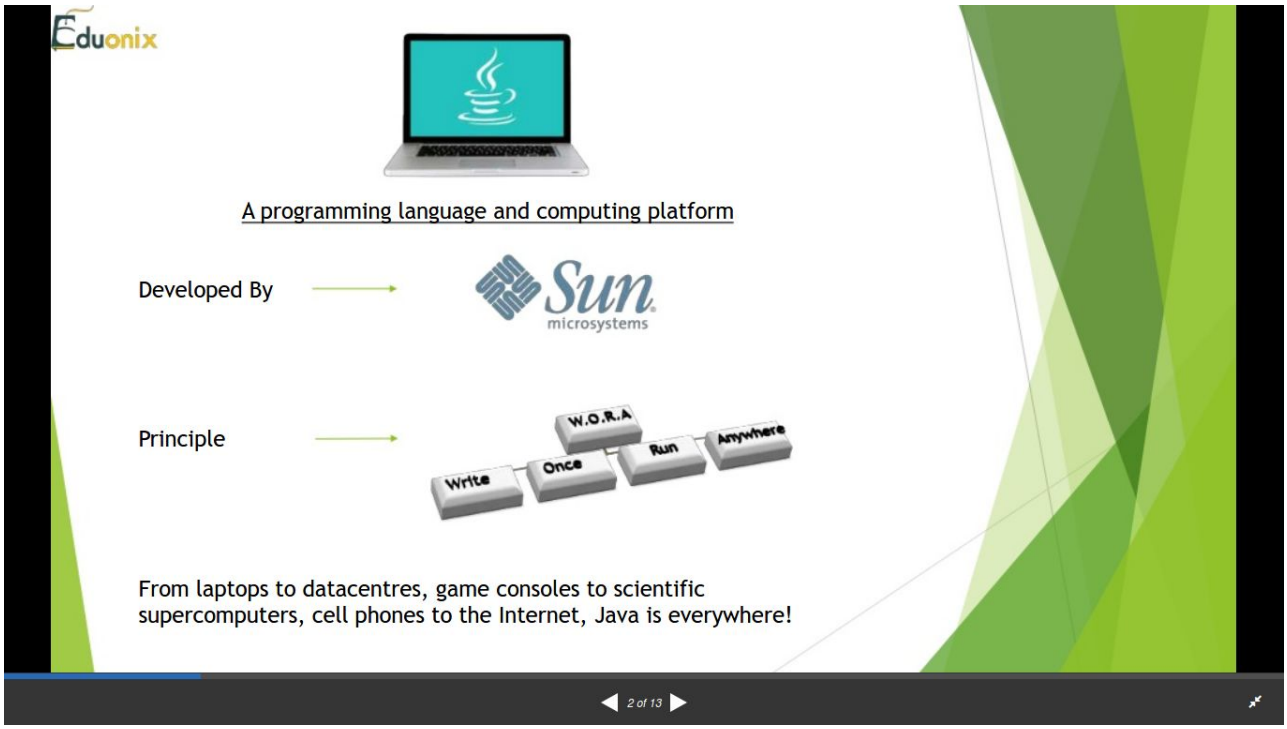


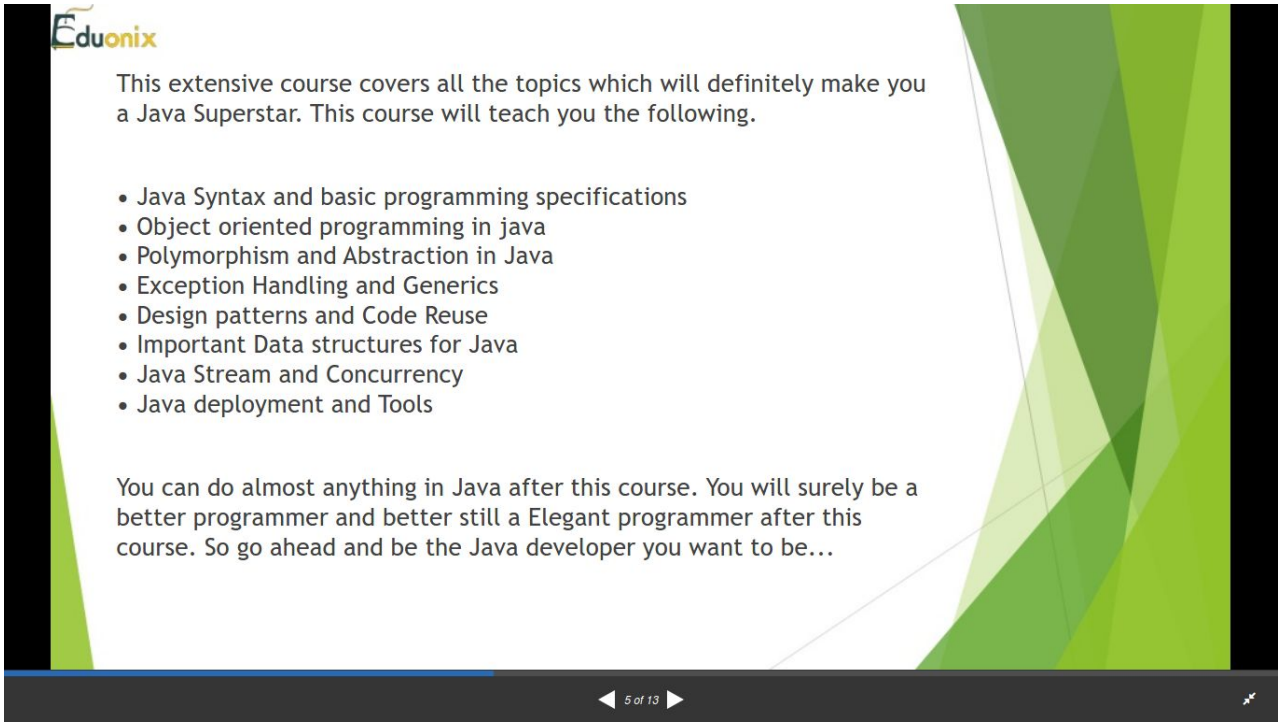
The importance of Programming and Coding has covered five major subtopics to be performed.

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

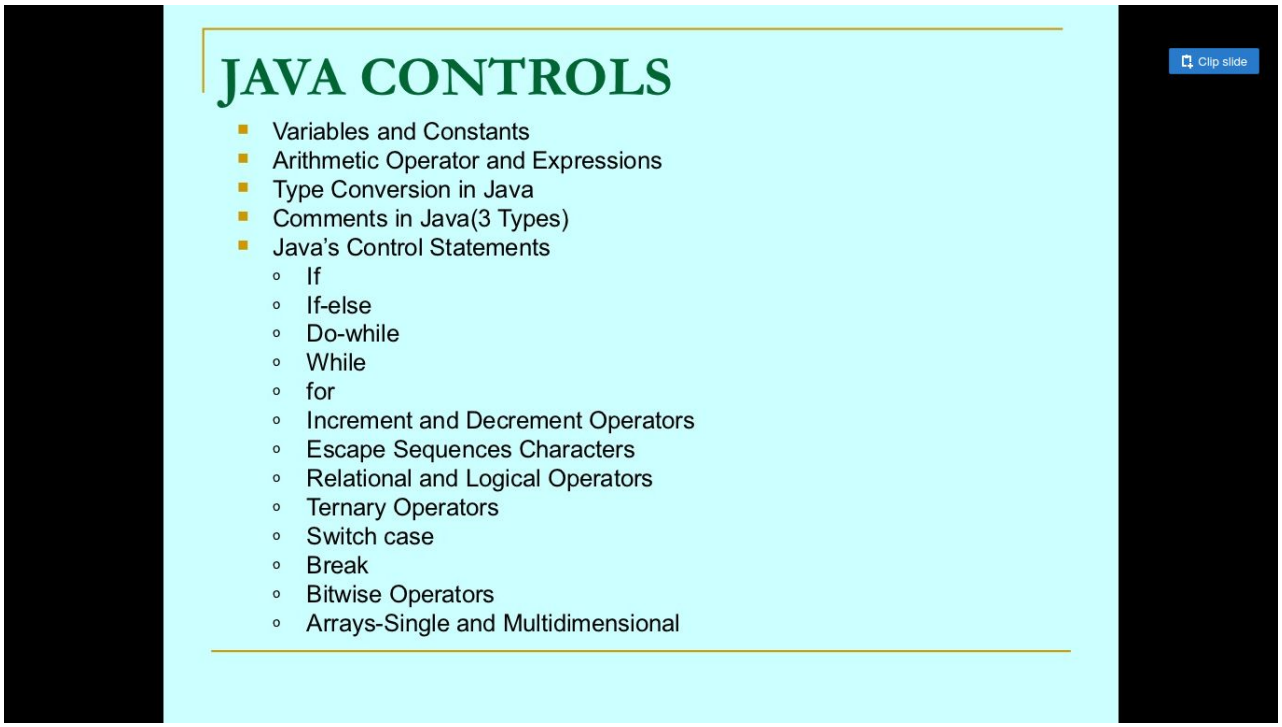
Mrs. A Ramesh started on the first topic Problem Solving Approaches.
Read and Understanding the Problem Statement(Until inner Logic is Craked)
and Analyse the Pseudo code and Implement the code Part.
Enhance the to Multiple inputs and Debugging.

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





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



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

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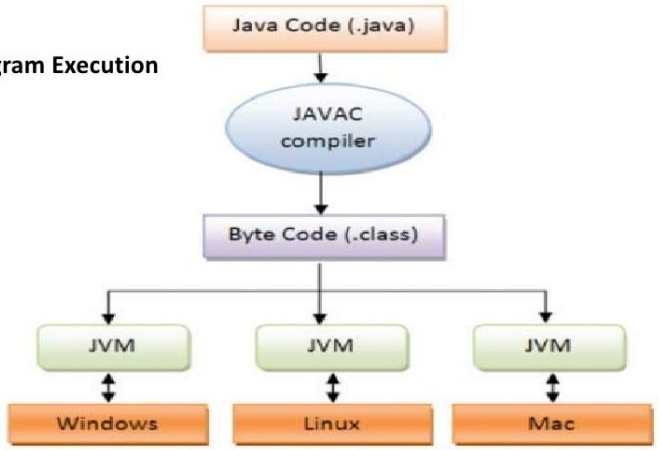
Java is architecture-neutral

JAVA Program Execution



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

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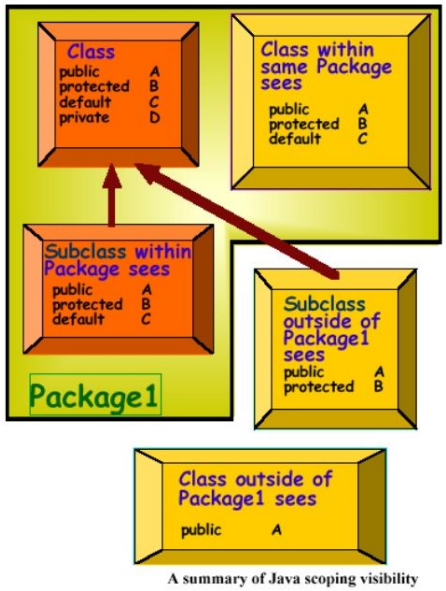

A summary of Java scoping visibility

Example

encapsulation

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```
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; }
}
```


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.