

1. Distinguish between the following terms:

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|-----------------------------------|---|
| v) Objects and Classes            | vi) Data abstraction and data encapsulation |
| vii) Inheritance and polymorphism | viii) Dynamic binding and message passing   |

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2. Write the output of the following code snippet with explanation:

<p>i) class Test{          public static void main (String arg [])          {              for (int i = 0; i &lt; 10; i++) {                  if (i%2 == 0) {                      continue;                  }                  System.out.println(i);              }          }          }</p>	<p>ii) class Test{          public static void main (String arg [])          {              int i = 0;              for (i = 0; i &lt; 10; i++) {                  break;              }              System.out.println(i);          }          }</p>
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3. What will be the Output of the below code? Write Answer with explanation.

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<p>a)          public class A {              public static void main(String[] args)              {                  if (true)                      break;              }          }  <u>Choice:</u>          iii) Nothing          iv) Error</p>	<p>b)          public class A {              public static void main(String[] args)              {                  System.out.println('j' + 'a' + 'v' + 'a');              }          }  <u>Choice:</u>          iii) Java          iv) Something else (Other than simple concatenation)</p>
<p>c)          public class A {              public static void main(String[] args)              {                  int \$_ = 5;              }          }</p>	<p><u>Choice of question (c):</u>          iii) Nothing          iv) Error</p>

4. What is JVM? Explain the internal architecture of JVM with neat sketch.

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5. Write java decision making statements (if, if-else, if-else-if, switch) format and provide example.

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