|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Output  while (count <= 15){  System.out.println(count % 2 == 1 ? "X" : "Y");  ++count;  }  **Ans: X 8 times Y 7 times** | | | | | | | |
|  | Which system property stores installation directory of JRE?  **Ans: java.home** | | | | | | | |
|  | Which component is responsible for converting bytecode into machine specific code?  **Ans: JVM** | | | | | | | |
|  | What is the numerical range of a char data type in Java?  **Ans: 0 to 65535** | | | | | | | |
|  | In Java, Which Scanner class method is used to read integer value from the user?  **Ans: nextInt()** | | | | | | | |
|  | Which is the correct syntax to declare Scanner class object?  **Ans: Scanner objectName = new Scanner(System.in) ;** | | | | | | | |
|  | When an object is created using the ‘new’ keyword, which location is the object stored?  **Ans: heap** | | | | | | | |
|  | Which environment variable is used to set java path?  **Ans: JAVA\_HOME** | | | | | | | |
|  | Which method can be defined only once in a program?  **Ans: main method** | | | | | | | |
|  | Which of the following for loop declaration is not valid?  **Ans: for ( int i = 5555; i >= 0; i / 55 )** | | | | | | | |
|  | What is the stored in the object if it is not initialized, and just declared?  **Ans: null** | | | | | | | |
|  | What will happen if you run the following piece of code?  public class A{  public static void main(String[] args) {  int i = 10, j = 12, k = 1;  k += i++ - --j;  System.out.println(k);  }  }  **Ans: 0** | | | | | | | |
|  | In Java, Non-static nested classes have access to \_\_\_\_\_\_\_\_\_\_\_\_\_ from enclosing class.  **Ans: All the member** | | | | | | | |
|  | An expression involving byte, int, and literal numbers is promoted to which of these?  **Ans: int** | | | | | | | |
|  | Which of these constructors is used to create an empty String object?  **Ans: String()** | | | | | | | |
|  | Which of these class is superclass of every class in Java?  **Ans: java.lang.Object** | | | | | | | |
|  | Which of the following statements are valid in Java?  1. int w = (int)888.8;  2. byte x = (byte)100L;  3. long y = (byte)100;  4. byte z = (byte)100L;  **Ans: All of them** | | | | | | | |
|  | Which of the following is a method having same name as that of it’s class?  **Ans: constructor** | | | | | | | |
|  | The operator used to access static nested classes is?  **Ans: dot operator // OuterClass.StaticNestedClass** | | | | | | | |
|  | The \_\_\_\_\_ package contains a large number of stream classes that provide capabilities for processing all types of data.  **Ans: java.io** | | | | | | | |
|  | public class B {  public static void main(String args[]) {  int x = 566, z = 120, y = 5;  int ans = ++z - y - y + z + x--;  System.out.println(ans);  }  }  **Ans: 798** | | | | | | | |
|  | In StringBuffer, which method is used to concatenate two Stringbuffer strings?  **Ans: concat() method** | | | | | | | |
|  | Which Java statement forces to execute the next iteration of the loop?  **Ans: continue** | | | | | | | |
|  | public class D {  public static void main(String args[]) {  StringBuilder sb = new StringBuilder("Good Morning");  sb.insert(1, "Friend ");  System.out.println(sb);  }  }  What is the output of the program given above?  **Ans: GFriendood Morning** | | | | | | | |
|  | Which of these methods of class String is used to check whether a given object starts with a particular string literal?  **Ans: startWith()** | | | | | | | |
|  | Given the following snippet, Select the output.  StringTokenizer st = new StringTokenizer("X, Y,Z, .");  System.out.println(st.nextToken(",")); | | | | | | | |
|  | What is the output of the given snippet given below?  public static void main(String args[])  {  int sum = 0;  for (int i = 0, j = 0; i < 5 & j < 5; ++i, j = i + 1)  sum += i;  System.out.println(sum);  }  **Ans: 6** | | | | | | | |
|  | What is the true statement with respect to String and StringBuilder in Java ?  **Ans: StringBuffer is thread safe because its methods are synchronized** | | | | | | | |
|  | How to get UTC time, in Java?  **Ans: instat.now()** | | | | | | | |
|  | With respect to Java, which of the following statement is NOT true?  **Ans: An anonymous class does not require a zero-argument constructor.** | | | | | | | |
|  | What is the output of the following code?  class E  {  public static void main(String args[])  {  int x=15;  int y= 16;  if ((y= 1) == x)  System.out.print(y);  else  System.out.print(++y);  }  }  **Ans: 2** | | | | | | | |
|  | In Java expressions, Which of these have highest precedence?  **Ans: paranthesis** | | | | | | | |
|  | What is the output of following Java program.  class G{  public static void main(String args[]){  final int g;  g = 20;  System.out.println(g);  }  }  **Ans: 20** | | | | | | | |
|  | In Java, Which Arithmatic left shift operator preserves the sign of the value?  **Ans: <<** | | | | | | | |
|  | What will be the output of the following Java program?  class A  {  int i;  void display()  {  System.out.println(i);  }  }  class B extends A  {  int j;  void display()  {  System.out.println(j);  }  }  class Main  {  public static void main(String args[])  {  B obj = new B();  obj.i=1;  obj.j=2;  obj.display();  }  }  **Ans: 1 2** | | | | | | | |
|  | What is it called if an object has its own lifecycle and there is no owner in Java Language?  **Ans: Association** | | | | | | | |
|  | What is the output of the snippet given below?  int x = 112;  int y = ~x;  System.out.print(x + "" + y);  **Ans: 112 -113** | | | | | | | |
|  | Which of these access specifiers can be used for an interface?  **Ans: Public** | | | | | | | |
|  | In Java Language, What is it called where object has its own lifecycle and child object cannot belong to another parent object?  **Ans: Aggregation** | | | | | | | |
|  | Which of these is supported by method overriding in Java?  **Ans: Polymorphism** | | | | | | | |
|  | How to overcome diamond problem in Java?  **Ans: Using virtual keyword with the same name function** | | | | | | | |
|  | What will be the output of the following Java program?  class H  {  public static void main(String args[])  {  try  {  System.out.print("Hello" + "" + 1 / 0);  }  catch(ArithmeticException e)  {  System.out.print("World");  }  }  }  **Ans: World** | | | | | | | |
|  | Which of the following should be true of the object thrown by a thrown statement?  **Ans: Should be assignable to Throwable type** | | | | | | | |
|  | Which of these classes is super class of Exception class in Java Exceptionsx?  **Ans: Throwable** | | | | | | | |
|  | What is the output of the program given below?  class Base {  public final void show() {  System.out.println("Base");  }  }  class Derived extends Base {  public void show() {  System.out.println("Derived");  }  }  public class Main {  public static void main(String[] args) {  Base b = new Derived();  b.show();  }  }  **Ans: Compilation Error** | | | | | | | |
|  | Which of these statements is incorrect in Java Exceptions?  **Ans: try must be followed by either catch or finally block.** | | | | | | | |
|  | What will be the output of the given Snippet in Java?  try  {  int i = 10 / 0;  }  catch (Exception ex)  {  System.out.println("1C");  }  finally  {  System.out.println("1F");  }  try  {  int i = 10 / 10;  }  catch (Exception ex)  {  System.out.println("2C");  }  finally  {  System.out.println("2F");  }  **Ans: 1C**  **1F**  **2F** | | | | | | | |
|  | What will be the output of the following Java code?  class J  {  public static void main(String args[])  {  try  {  int i, sum;  sum = 10;  for (i = -1; i < 3 ;++i)  {  sum = (sum / i);  System.out.print(i);  }  }  catch(ArithmeticException e)  {  System.out.print("0");  }  }  }  **Ans: Compilation Error** | | | | | | | |
|  | In Java, Can the derived class be made abstract if multiple inheritance is used?  **Ans: No, since constructors won’t be there** | | | | | | | |