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|  | **Selenium Training Module 2 Exercises**  **1) What will following lines print:**  String x="We are learning"; String y="mistakes happen"; int z=1000; System.out.println("Java is easy. "+x+" selenium and "+y+" "+z +" times");  **2)** Write a for loop to print even numbers bet ween 1 to 100  **3)** Write a for loop which prints numbers from 1 to 100 but if the number is divisible by 5, it prints 'divisble by 5 followd by that number'  **4)** Write a for loop to find the sum of first 100 numbers(1 to 100)  **5)** Write program to display following output  1 12 1234 12345 123456 1234567  **6)** Make an integer array. Write a for loop to print the integer array in reverse.  **7)** Print alternate elements of String array array  **8)** Find the greates number in a array  **9)** Find the least number in a array  **10)** Suppose there is an integer array holding following elements: 1,3,4,5,6,3,2,4,6,7,9,4,12,3,4,6,8,9,7,6,43,2,4,7,7,5,2,1,3,4,6,311,1  Write a program which prints which each number from array and the times it has been repeated in array Fox eg 1- Repeated 3 times 4- Repeated 6 times   **11)** What will be the output of following program  public class Test {   public static void main(String[] args) { int i=2; f1(1);  }  public static void f1(int i) { f2(i+1); }  public static void f2(int i) { f3(i+2); }  public static void f3(int i) { System.out.println(i+3); }   }   **12) What will be the output of following:** public class Test {  public static void main(String[] args) { int x=0; while(true){ x = increment(x);  System.out.println("Value of x is --"+x);  if(x>10) break;  } }  public static int increment(int i){ return i+1; } }   **13) What will be the output of following program**  public class Test {   public static void main(String[] args) { int i=2; while(makeDecision(i)){  i=i\*i; System.out.println(i); }  }  public static boolean makeDecision(int i) { if(i%3 != 0){ return true; }else{ return false; } }   }    **14) What will be the output of following:** public class Test {  public static void main(String[] args) {  String arr1[] = new String [3]; String arr2[] = new String [3];  arr1[0]="A"; arr1[1]="B"; arr1[2]="C";  arr2[0]="1"; arr2[1]="2"; arr2[2]="3"; printAll(arr2); printAll(arr1);  }  public static void printAll(String str[]){ for(int i=0; i < str.length ; i++){ System.out.println(str[i]); } }  }   **15) What will be the output of following:** What will be the output of following: public class Test {  public static void main(String[] args) { int a[][] = new int[10][5]; for(int i=0;i<10;i++){  for(int j=0; j<5; j++){ a[i][j]=i\*j; } }  System.out.println(a[0][0]); System.out.println(a[1][3]); System.out.println(a[3][4]); }   } |

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|  | **1) What will be the output of following program?** public class Test {   public static void main(String[] args) { int i; System.out.println(i);  int j=100; System.out.println(j); }  }   **2) What will be the output of following program?**  public class Test {  int i; static int j;  public static void main(String[] args) { System.out.println(i); System.out.println(j); }  public void non\_static(){ System.out.println(i); System.out.println(j); }  }  **3) What will be the output of following program?** public class Test {   public static void main(String[] args) { non\_static(); }  public void non\_static(){ System.out.println("pass");  }  }   **4) What will be the output of following program?** public class Test {  int i; static int j;  public static void main(String[] args) { non\_static(); }  public static void non\_static(){ System.out.println("pass");  }  }   **5) What will be the output of following program?** public class Test {  int i; static int j;  public static void main(String[] args) { Test t = new Test(); t.non\_static(); t.meth\_static2(); meth\_static2(); t.i=100; j=200; t.j=400; }   public void non\_static(){ System.out.println("pass1"); }  public static void meth\_static2(){ System.out.println("pass1"); }  }  **6) Will this code compile?** public class Demo1 {  int var=10;  public static void main(String s[]) {  int local=var; } }   **7) Will this code compile?**  class Demo { static int var=9; public static void func() { System.out.println("learning static keyword"); } } public class Main {  public static void main(String s[]) { Demo ob = new Demo(); ob.var=9; ob.func();  } }   **8) What will be the output of following program?** public class Main {  int var; static int stc=7; public static void main(String s[]) { Main ob1 = new Main(); ob1.var=9; System.out.println("var of ob1 "+ob1.var);  Main ob2 = new Main(); ob2.var=90; System.out.println("var of ob2 "+ob2.var);  ob1.stc=ob1.stc+100;  System.out.println("ob1 "+ob1.stc);  System.out.println("ob2 "+ob2.stc);  } }   **9) What will be the output of following program?** public class Test { int i;  Test(int i){ i=i; } public static void main(String[] args) {  Test t = new Test(7); System.out.println(t.i); }  }  **10) What will be the output of following program?** public class Test { int age; String name;  Test(int age,String name){ this.age=age; this.name=name; } public static void main(String[] args) {  Test t1 = new Test(17,"A"); Test t2 = new Test(13,"B"); Test t3 = new Test(14,"C"); t3=t2; t2=t1; t1=t3; System.out.print(t1.age); System.out.print(t2.age); System.out.println(t3.age); }  }  **11) Whats the output of following program?**  public class Test { int age; String name;  Test(){ non\_static\_meth(); static\_meth(); } public static void main(String[] args) {  Test t1 = new Test();   }  public void non\_static\_meth(){ System.out.print("NM "); }  public static void static\_meth(){ System.out.println("SM");  }  }  **12) In real world, Contructors are used to:**  1) Initialize all variables of a class 2) Initialize non-static varialbles of a class 3) static variables can be initialized in constructors 4) Give initial state to object  13) Whats the output of following program?  public class Test { int i; int j;  Test (int i, int j){ this.i=i; this.j=j; }  public static void main(String[] args) {  Test t1 = new Test(); Test t2 = new Test();   }   }   **13) Whats the output of following program?**  public class Test { int i; int j;  public static void main(String[] args) {  Test t1 = new Test(); Test t2 = new Test();  t1.j=t2.i=5; t1.i=t2.j=6;  System.out.print(t1.j++ + " " + t2.i--);  } }    **14) Whats the output of following program?**  public class Test {  Test t1= new Test(); int i; static int j; static Test t2 = new Test(); public static void main(String[] args) { t1.i=10; //1 i=19; //2 j=10; //3 t2.i=19; //4  } }  **15) Compile-time errors are generated at which lines?** public class Test {   public static void main(String[] args) { public int a; // 1 protected int b; // 2 private int c; // 3 static int d; // 4 transient int e; // 5 volatile int f; // 6 final int g = 1; // 7 int i=7; // 8 int h; //9 System.out.println(h); //10  } }  1. 1 2. 2 3. 3 4. 4 5. 5 6. 6 7. 7 8. 8 9. 9 10. 10  **16) What will be output of follwoing?** class JavaClass { static int i; static JavaClass obj; public static void main (String[] args) {  System.out.println( obj + "" +i);   }}  **17) What will be output of follwoing?** public class Test {  static int i; static Test obj; public static void main (String[] args) {  Test obj; int i; System.out.println( obj + "" +i);    }}  **18) A compile-time error is generated at which line?** public class Training {  public static void main(String[] args) { static int a=1; //1 int b=1; //2 }  public void abc(){ static int a=1; //3 int b=1; //4  }    }  **19) Which is the valid way of calling the main1 method?**  public class JavaClass {  public static void main(String[] arg){  main1(); //1 JavaClass j = new JavaClass(); j.main1(); //2 }  public void main1(){  }  }  a) 1 b) 2 c) Both 1 and 2 d) Neither 1 nor 2 e) None of these  **20) Compile time errors are generated at which lines?**  public class JavaClass {  int i=1; static int a=1;  public static void main(String[] args) {  }  public void nonstaticMethod(){ calArea(); // 1 nonstaticMethod(); //2  JavaClass.calArea(); // 3 JavaClass t = new JavaClass(); t.calArea(); // 4  i=i+1; // 5 a=a+1; // 6  static int b=1; // 7 }  public static int calArea(){  return 8\*8; } }    a) 1,2,5,7 b) 2,5,7 c) 7 d) 2,4,6,7 e) 4,5,7   **21) Compile time errors are generated at which lines?** public class JavaClass {  int i=1; static int a=1;  public static void main(String[] args) {  JavaClass t= new JavaClass(); calArea(); //1 nonstaticMethod(); //2  JavaClass.calArea(); //3 t.calArea(); //4  i=i+1; //5 a=a+1; //6  static int b=1; //7  }  public void nonstaticMethod(){  }  public static int calArea(){  return 1\*1;  } }   a) 1,2,5,7 b) 2,5,7 c) 4,6,7 d) 2,4,6,7 e) 4,5,7  **22) What will be outut of following program?** public class Test { int i; int j;  public static void main(String[] args) { int area = calArea1(3,4); System.out.println(area); Test t = new Test(); area = calArea2(t); System.out.println(area); }  public static int calArea1(int i, int j) { return i\*j; }  public static int calArea2(Test t) { t.i=t.i+10; t.j=t.i+20; return t.i\*t.j; }  } |

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|  | **1) What will be the output of following?**  public class Test {   public static void main(String[] args) { A a = new A(); B b = new B(); System.out.println(a.x); System.out.println(a.y); System.out.println(b.x); System.out.println(b.y);  }  }  class A{  String x="Parent"; }  class B extends A{ String y="Child";  }  **2) What will be the output of following?**  public class Test {   public static void main(String[] args) { A a = new A(); B b = new B();  a.parentMeth(); a.childMeth();  b.childMeth(); a.parentMeth();  }  }  class A{  public void parentMeth(){  } }  class B extends A{ public void childMeth(){  }  }  **3) What will be the output of following?**  class A{   }  class B {  }   class C extends A,B{   }   **4) What will be the output of following?** interface A{   }  interface B {  }   class C implements A,B{   }   **5) What will be the output of following?**  public class Test{  public static void main(String[] a){ A a1 = new B(); a1.meth1(); a1.meth2(); a1.meth3(); a1.meth4(); }  }  interface A{ public void meth1(); public void meth2(); public void meth3(); }    class B implements A{  @Override public void meth1() { System.out.println("meth1");  }  @Override public void meth2() { System.out.println("meth2");  }  @Override public void meth3() { System.out.println("meth3");  }  public void meth4() { System.out.println("meth4");  }  } |

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|  | What will be the output of following program? public class Test {  public static void main(String[] args) {  try{ int o[] = new int[2]; o[3]=23; }catch(Exception e){ System.out.println(e.getMessage()); e.printStackTrace(); }   }  }  ==============================================================================  What will be the output of following program?  public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) {  try{ int o[] = new int[2]; o[3]=23; o[1]=33; }catch(Exception e){ System.out.println(e.getMessage()); e.printStackTrace(); }  System.out.println(o[1]); }  }  =============================================================================== What will be the output of following program?   public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) { int o[] = new int[2];  try{ o[3]=23; o[1]=33; }catch(Exception e){ System.out.println(e.getMessage()); e.printStackTrace(); }  System.out.println("2nd pos --"+o[1]); }  } ================================================================================ What will be the output of following program?   public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) { SomeClass obj=null; try{ obj.someMethod(); System.out.println("success"); }catch(Exception e){ System.out.println(e.getMessage()); e.printStackTrace(); }  } } ================================================================================== What will be the output of following program?   public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) { divide(4,2); divide(4,0);  } public static int divide(int a,int b) throws Exception{ int result = a/b; return result; } }  =================================================================================== What will be the output of following program?  public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) { int a=divide(4,2); System.out.println(a); int b=divide(4,0);  System.out.println(b);  } public static int divide(int a,int b) throws Exception{ int result = a/b; return result; } }  =====================================================================================  What will be the output of following program? 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 public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) { try{ int a=divide(4,2); System.out.println(a); int b=divide(4,0); System.out.println(b); }catch(Exception e){ System.out.println("error 1"); }  } public static int divide(int a,int b) { int result=0; try{ result=a/b; }catch(Exception e){ System.out.println("error 2"); }  return result; } } ========================================================================================== What will be the output of following program?  public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) {  System.out.println("A"); Thread.sleep(5000L); System.out.println("B");   }  } ========================================================================== What will be the output of following program?   public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) {  throw new Exception("Some exception");   }  } ========================================================================= What will be the output of following program?  public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) { xyz();   }  public static void xyz() throws Exception{ throw new Exception("Some exception");  }  }  =========================================================================== What will be the output of following program?  public class Test {  /\*\* \* @param args \*/ public static void main(String[] args) { try { xyz(); } catch (Exception e) { // TODO Auto-generated catch block System.out.println("error 1"); e.printStackTrace(); }   }  public static void xyz() throws Exception{ throw new Exception("Some exception");  }  } ========================================================================== What will be the output of following program?  public class Test {  /\*\* \* @param args \* @throws Exception \*/ public static void main(String[] args) throws Exception {  xyz();   }  public static void xyz() throws Exception{ throw new Exception("Some exception");  }  }  ============================================================================ |