**Question1**

How do you instruct a JVM to garbage collect an object.

**Question2**

What is the default access specifier in java?

**Question3**

What is a sand box in java?

**Question4**

What interface do you implement to store an object to a data base or file system or send through network in java.

**Question5**

What is the most efficient way of concatinating Strings in java.

**Question6**

What will be the output when class Test is executed?

**abstract** **class** A {

String name = "test1";

}

**class** B **extends** A {

String name = "test2";

}

**class** Test {

**public** **static** **void** main(String k[]) {

A a = **new** B();

System.*out*.println(a.name);

}

}

**Answer**: test1

**Question7**

What will be printed on the console?

**class** Testing {

**public** **static** **void** main(String k[]){

**int** x=10;

x = x++;

System.*out*.println(x);

}

}

**Answer**: 10

**Question8**

What will be printed to the console?

**class** Test {

**public** **static** **void** main(String k[]){

**try** {

System.*out*.println("1");

Integer xyz = **new** Integer("");

System.*out*.println(xyz);

} **catch** (Exception exp){

System.*out*.println("2");

} **finally** {

System.*out*.println("3");

}

}

}

**Answer:** 1

2

3

**Question9**

What will be the result when you execute “java Testing a b c”

**public** **class** Testing {

**public** **static** **void** main(String k[]){

**for**(**int** c=1;c<k.length; c++){

System.*out*.println(k[c+1]);

}

}

}

**Answer**: ArrayIndexOutOfBoundsException

**Question10**

What will be the result of below code execution?

**public** **class** Testing1 {

**public** **static** **void** test(String str){

**if**(str == **null** | str.length() == 0){

System.*out*.println("String is null");

}**else**{

System.*out*.println("String is not null");

}

}

**public** **static** **void** main(String k[]){

*test*(**null**);

}

}

Answer : java.lang.NullPointerException

**Question11**

What is the differene between ArrayList and Linked List?

**Question12**

Write sample code to move current date to “Jan 15 2015” using java.util classes.

Answer:

Calendar c = **new** GregorianCalendar();

c.set(Calendar.*MONTH*, Calendar.*JANUARY*);

c.set(Calendar.*DAY\_OF\_MONTH*, 15);

c.set(Calendar.*YEAR*, 2015);

**Question13**

What is the difference between a Stack and a Queue?

**Question14**

Write a binary search alrorithm

Answer:

**int** elements[] = {2,5,324,24,23,5634,23,232,3,234,2421,234,52,563,642,364,234,41,523,5231,15,52,11,234,526234,6324,1,1123,525,24,131,1235,5234,6345};

**int** min = 0;

**int** max = elements.length-1;

**int** elementToBeFount = 5;

**int** mid= 0;

Arrays.*sort*(elements);

**do**{

mid = (min + max)/2;

**if**(elementToBeFount > elements[mid]){

min = mid + 1;

}**else**{

max = mid - 1;

}

System.*out*.println("elementToBeFount = "+elementToBeFount+", trying to find at "+mid+", matched element = "+elements[mid]);

}**while**(elementToBeFount != elements[mid] && min <= max);

**Question15**

Write any algorithm for sorting an array of elements

Answer:

public void bubbleSort()  
{  
   int out, in;  
   for(out=nElems-1; out>1; out--) // outer loop (backward)  
   for(in=0; in<out; in++) // inner loop (forward)  
   if( a[in] > a[in+1] ) // out of order?  
   swap(in, in+1); // swap them  
} // end bubbleSort()

**Question16**

What is the difference between jsp:include and include directive

**Question17**

How do you make a Servlet as thread safe

**Question18**

What is the difference between HttpServletRequest’s getSession() and getSession(boolean) methods

**Question19**

In a JSP session object, why is there the restriction that any object put into the session must be serialized objects?

**Question20**

Write syntax for a JSP to implement SingleThreadedModel interface?