**Question 1**

What are checked and un-checked exceptions?

**Question 2**

Can an overridden method in a subclass be defined with a higher access specifier?

**Question 3**

What is the sequence of execution in a class when you have a static block, static variable and main method?

**Question 4**

Can we have a static inner class?

**Question 5**

What is the difference is between == and equals method in String comparison?

**Question 6**

Can a method be abstract and static?

**Question 7**

What will be the outcome when the following code is executed as java Test name1 name2 name3

class Test{

public static void main(String k[]){

System.out.println (k[3]);

}

}

**Answer:** It throws ArrayIndexOutOfBoundsException

**Question 8**

What will be printed to the console?

**class** A {

**public** **void** test() {

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

}

}

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

**public** **void** test() {

**super**.test();

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

}

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

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

a.test();

}

}

**Answer**:

A

B

**Question 9**

What will be printed to the console?

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

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

String s = "null";

**if**(s == **null**){

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

}**else** **if**(s.length() == 0){

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

}**else**{

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

}

}

}

**Answer**: some

**Question 10**

What will be printed to the console?

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

String test(){

**for**(**int** k=0; k<10; k++){

System.*out*.println(k);

**if**(k > 3) **return** k+"";

k--;

}

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

**return** **null**;

}

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

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

Testing1 testing = **new** Testing1();

testing.test();

}

}

**Answer**: 0 is printed indefinitely

**Question 11**

What is the difference between Vector and ArrayList?

**Question 12**

What are the default delimiters for a StringTokenizer?

**Question 13**

What is the difference between an Iterator and Enumeration?

**Question 14**

Write an algorithm for selection sort

**Answer:**

public static void selectionSort1(int[] x) {

for (int i=0; i<x.length-1; i++) {

for (int j=i+1; j<x.length; j++) {

if (x[i] > x[j]) {

//... Exchange elements

int temp = x[i];

x[i] = x[j];

x[j] = temp;

}

}

}

}

**Question 15**

Write an algorithm to generate fibonacci series

**Answer**:

**int** result = 0;

**for**(**int** k=1; k<=100; k++){

result = result + k;

System.*out*.println(result);

}

**Question 16**

Explain the life cycle of a Filter

**Question 17**

Are the Servlets multi threaded?

**Question 18**

How can you avoid making multiple HTTP calls for content that hasn't changed? Is it possible to cache it? Is there a way to set this in the header?

**Question 19**

What is the difference between ServletRequest’s getParameter and getParameterValues methods?

**Question 20**

You have an object say MyContacts. How can you make this object to be notified when it is bound or unbound from HttpSession?