JAVA SE - PRE-TRAINING TEST

Name : ....MOHD HAFIZ BIN ABDUL KADIR............................

Date : ....30/10/2023..

1. **Number of primitive data types in Java are?**
   a) 6
   b) 7
   c) 8
   d) 9

2. **What is the size of float and double in Java?**
   a) 32 and 64
   b) 32 and 32
   c) 64 and 64
   d) 64 and 32

3. **Automatic type conversion is possible in which of the possible cases?**
   a) Byte to int
   b) Int to long
   c) Long to int
   d) Short to int

4. **Find the output of the following code.**

```
int Integer = 24;
char String  = 'I';
System.out.print(Integer);
System.out.print(String);
```

   a) Compile Error
   b) Throws Exception
   c) I
   d) 24 I

5. **Find the output of the following program.**

```java
public class Solution{
        public static void main(String[] args){
                        short x = 10;
                        x =  x * 5;
                        System.out.print(x);
        }
}
```

a) 50
b) 10
c) Compile Error
d) Exception

6. **Find the output of the following program.**

```java
public class Solution{
        public static void main(String[] args){
                        byte x = 127;
                        x++;
                        x++;
                        System.out.print(x);
        }
}
```

a) -127
b) 127
c) 129
d) 2

7. **Select the valid statement?**
a) char[] ch = new char(5)
b) char[] ch = new char[5]
c) char[] ch = new char()
d) char[] ch = new char[]

8. **What is the output of the following program**

```java
public class Solution{
        public static void main(String[] args){
                int[]  x = {120, 200, 016};
                for(int i = 0; i < x.length; i++){
                        System.out.print(x[i] + " ");
                }
        }
}
```

a) 120 200 016
b) 120 200 14
c) 120 200 16
d) None

9. **When an array is passed to a method, what does the method receive ?**
a) The reference of the array
b) A copy of the array
c) Length of the array
d) Copy of the first element

10. **Identify the keyword among the following that makes a variable belong to a class.**
a) final
b) static
c) volatile
d) abstract

11. **Identify the output of the following program**

```java
String str = "abcde";
System.out.println(str.substring(1, 3));
```

a) abc
b) bc
c) bcd
d) cd

12. Identify the output of the following program

```
String str = "Hellow";
System.out.println(str.indexOf('t'));
```

   a) 0
   b) 1
   c) true
   d) -1

13. To which of the following does the class String belongs to.

   a) java.lang
   b) java.awt
   c) java.applet
   d) java.string

14. What are advantages of using Enum in Java?

   a) Enum improves safety
   b) Enum can be placed in or out of a class
   c) Enum can be easily used in switch case
   d) Enum cannot extend any class
   e) Object of enum cannot be made
   f) Enum can have variables, constructors and methods

15. Which of these package is used for graphical user interface?

   a) Java.awt
   b) Java.awt.image
   c) Java.applet
   d) Java.io

16. Which of these standard collection classes implements a dynamic array?

   a) LinkedList
   b) ArrayList
   c) AbstractSet
   d) AbstractList

17. What is the type of variable 'b' and 'd' in the below snippet?

      int a[], b;
      int []c, d;

a) 'd' is int variable; 'b' is int array
b) 'b' and 'd' are arrays of type int
c) 'b' and 'd' are int
d) 'b' is int variable; 'd' is int array

18. Which function is used to perform some action when the object is to be destroyed?
a) main()
b) finalize()
c) delete()
d) None of the mentioned

19. What is the return type of lambda expression?
a) Void
b) Object
c) Function
d) String

20. Which is the new method introduced in java 8 to iterate over a collection?
a) StringList.forEach()
b) for (String i : StringList)
c) List.for()
d) foreach (String i : StringList)