What will be the output of the program?

```
class Test {

public static void main(String [] args) {

int x=20;

String sup = (x < 15) ? "small" : (x < 22)? "tiny" : "huge";

System.out.println(sup);

}

}
```

- ○ small
- ● tiny
- ○ huge
- ○ Compilation fails

Which declarations of main() method are valid in order to start the execution of an application?

- ○ public void main(String args[])
- ○ public void static main(String args[])
- ○ public static main(String args[])
- ● public static void main(String args[])

which of the following is wrapper class in java

○ Float

○ Integer

○ Double

◉ all of above

What type of data would your name be? *

○ Real

○ Boolean

○ Integer

◉ String

Can 8 byte long data type be automatically type cast to 4 byte float data type? *

○ True

◉ False

Correct answer

◉ True

Why pointers are eliminated from java?

○ Pointers lead to confusion for a programmer

○ Pointers may crash a program easily

○ Pointers break security

● All of the above

Which statement provides an easy way to dispatch execution to different parts of your code based on the value of an expression?

○ If

● Switch

○ Nested-if

○ if-else-if

After execution of the following code fragment, what are the values of the variable x, a and b?

```
int x, a = 6, b = 7;

x = a++ + b++;
```

◉ x=15,a=7,b=8

◯ x=15,a=6,b=7

◯ x=13,a=7,b=8

◯ x=13,a=6,b=7
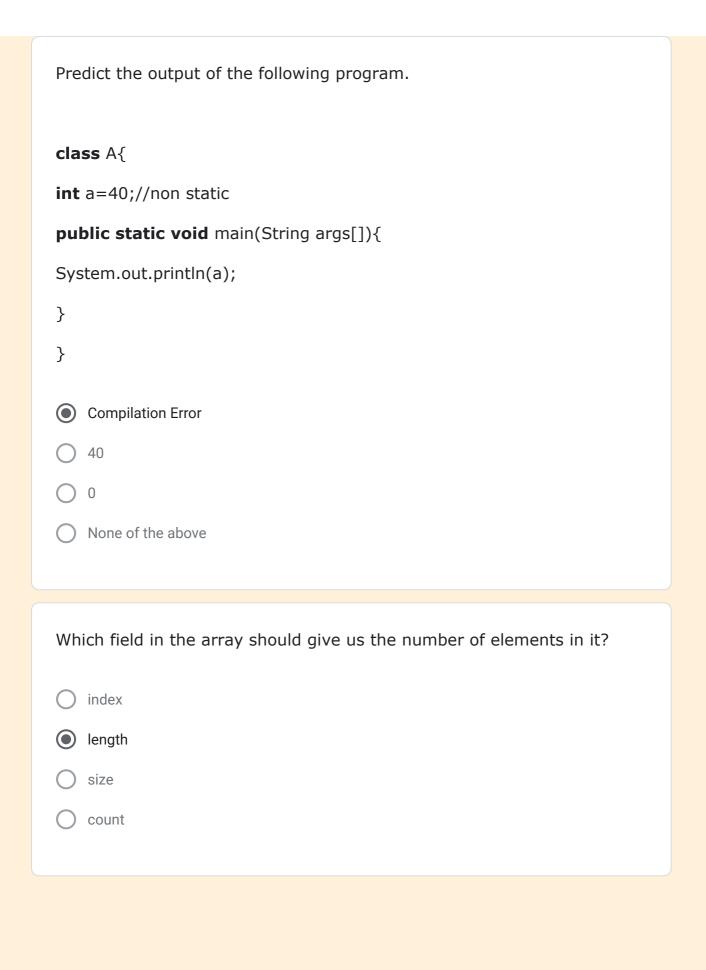
Correct answer

◉ x=13,a=7,b=8

The following program is an example for?

```
class Student{
int id;
String name;
void display(){System.out.println(id+" "+name);}
public static void main(String args[]){
Student s1=new Student();
Student s2=new Student();
s1.display();
s2.display();
}
}
```

- ○ Parameterized constructor
- ● Default Constructor
- ○ Overloading Constructor
- ○ None of the above

From the following statements which is a disadvantage of an java array?

○ An array can hold primitive types data

○ An array has its size that is known as array length

◉ An array knows only its type that it contains. Array type is checked at the compile-time

○ An array holds only one type of data

Correct answer

◉ An array holds only one type of data

```java
public class HelloWorld{

public static void main(String []args){

int i;

for (i=1;i<6;i++){

if(i>3) continue;

}

System.out.println(i);

}

}
```

- ○ 3
- ○ 6
- ○ 5
- ◉ 4

Correct answer

- ◉ 6

Predict the output of the following program.

class A{

int a=40;//non static

public static void main(String args[]){

System.out.println(a);

}

}

- ⦿ Compilation Error
- ◯ 40
- ◯ 0
- ◯ None of the above

Which field in the array should give us the number of elements in it?

- ◯ index
- ⦿ length
- ◯ size
- ◯ count

What keyword is used to create an object?

(●) new

(○) create

(○) build

(○) start

(○) main

Basic Java language functions are stored in which of the following java package?

(○) java.io

(●) java.lang

(○) java.net

(○) java.awt

What happens if main() method is written without String args[ ]?

(○) The code compiles but JVM cannot run it

(○) The code compiles as well as it will run

(●) The code will not compile

(○) None of the above

Correct answer

(●) The code compiles but JVM cannot run it

What is the output of this program?

```
class increment

{

public static void main(String args[])

{

double var1 = 1 + 5;

double var2 = var1 / 4;

int var3 = 1 + 5;

int var4 = var3 / 4;

System.out.print(var2 + " SPACE " + var4);

}

}
```

- ○ 1 SPACE 1
- ○ 0 SPACE 1
- ● 1.5 SPACE 1
- ○ 1.5 SPACE 1.0

break statement is used to

i) get out of method ii) end a program

iii) get out of a loop iv) get out of the system

○ 1 & 2

○ 1,2 & 3

○ 1 & 3

◉ 3

If you are inserting any value in the wrong index as shown below,

int a[]=new int[5];

a[10]=50;

it would result in _____.

○ ArrayIndexoutOfBoundsException

○ ArrayIndexOutOfBoundsException

◉ ArrayIndexOutofBoundException

○ ArrayIndexOutOfBoundException

Correct answer

◉ ArrayIndexOutOfBoundsException