

Code:

(1) int f;

f = 2

(2)

int f; 2 = f;

Question:

After the execution of which of the above parts of code will the variable f contain the value 2?

Choices:

a₁ 1)

b) (2)

c) (1) and (2)



Code:

int f = 7 + 3;

Question:

Give the value of the variable f after the above code is executed.



Code:

$$int f = 2;$$
 $f = 3;$

Question:

Give the value of the variable f after the above code is executed.

Choices:

- a) f is 2;
- b) f is [2,3];
- c) f is 3;



Code:

$$\begin{array}{ll} \text{int } f = 5; \\ \text{int } a = f; \end{array}$$

Question:

Give the value of the variables f and a after the above code is executed.

Choices:

- b) a is 5; f is 0;
- c) a is 'f'; f is 5;



Code:

String
$$f = "Hello World!"$$
; $f = ""$;

Question:

After the above code was executed, what is the value of f?

f = " "



Code:

$$a = 3;$$

 $b = a;$

$$a = 4;$$

Question:

After the above code was executed, what are the values of a and b?

a = 4

b = 3



| Code:

```
int width = 0;
int height = 0;
int area = width * height;
width = 4;
height = 4;
System.out.print(area);
```

Question:

After the above code is executed, what is shown in the console?



Code:

```
\begin{array}{lll} & \text{int } a = 0; \\ & \text{int } b; \\ & \text{int } c = 10 + 5; \\ & \text{int } d = 23; \\ & \text{int } e = 4; \\ & b = c; \\ & c = a; \\ & a = b; \\ & e = c + 3; \\ & d = c; \\ & c = d; \end{array}
```

Question:

After the above code was executed, what are the values of a, b, c, d and e?

```
a=16
b==0
d==0
```





```
int a = 3;

int b = 4;

int c = 5;

int d;

d = \alpha; 3

a = \beta; U

b = \alpha; 9

c = \alpha; 5
```

Describe the purpose of this code.

```
4000
```

② CODE TRACE



Assume that a program contains the following declarations.



int
$$i = 5$$
, $j = 2$:

What will be printed by each statement?

System.out.println(
$$i + j + 2$$
); $= 5$ + 22

System.out.println(i * j + 2);
$$=$$

Assume that a program contains the following declarations.



int
$$i = 0$$
, $j = 3$;

find the value of each variable after the given statements have been executed. Assume that i and j are re-intilaized to their original values after each statement

Which of the statements below produces a compilation error.
 And how would you fix it?

```
char c = 'A';

c++;

c = char (c+1);
```

Write a JAVA expression for each of the

$$A = \pi r^2$$

Write a program that converts a temperature from Celsius to Fahrenheit. It should (1) prompt the user for input, (2) read a double value from the keyboard, (3) calculate the result, and (4) format the output to one decimal place. When it's finished, it should work like this:

```
Enter a temperature in Celsius: 24 24.0 \text{ C} = 75.2 \text{ F}
```

Here is the formula to do the conversion:

$$F = C \times \frac{9}{5} + 32$$

```
import java. util. Scanner:
Public class Fahrenheit 5
     Public static void main (String[] avgs) [
        Scanner input = New Scanner (System. in);
        double C:
       System. Out-Print ("Enter a temperature in celsius:");
       (=input.nexInt();
    double F= C*9/5+32;
   System.out. Print (C+ "(=");
   System.out. Print(E+" F ");
19 of 19
```