

192面向对象程序设计

Test

复查测验提交: 10th_Chapter03_Exercise

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用户	计算机1801 莫明达
课程	192面向对象程序设计
测试	10th_Chapter03_Exercise
已开始	19-11-20 上午9:56
已提交	19-11-20 上午9:56
状态	已完成
尝试分数	得 0 分, 满分 840 分
已用时间	0 分钟
显示的结果	已提交的答案, 正确答案

问题 1

得 0 分, 满分 10 分

The default case must be specified in a switch statement.


所选答案:  [未给定]正确答案:  B.false

问题 2

得 0 分, 满分 10 分

Analyze the following code.

```
int x = 0;  
int y = ((x < 100) && (x > 0)) ? 1: -1;
```

所选答案:  [未给定]正确答案:  A.y becomes -1 after the code is executed.

问题 3

得 0 分, 满分 10 分

The _____ operator can be used to compare two values.

所选答案:  [未给定]正确答案:  C.relational


问题 4

得 0 分, 满分 10 分

What is y after the following switch statement?

```
int x = 0;
int y = 0;
switch (x + 1) {
    case 0: y = 0;
    case 1: y = 1;
    default: y = -1
}
```

所选答案:  [未给定]

正确答案:  A.-1


问题 5

得 0 分, 满分 10 分

Which of the following is equivalent to $x \neq y$?

所选答案:  [未给定]

正确答案:  C. $x > y \ || \ x < y$

 D. $!(x == y)$

问题 6


得 0 分, 满分 10 分


Analyze the following code:


```
// Enter an integer
Scanner input = new Scanner(System.in);
int number = input.nextInt();


if (number <= 0)
    System.out.println(number);
    System.out.println(number);
```

所选答案:  [未给定]

正确答案:  A. number is always printed out at least once;

 B. number is printed out twice if number is negative;

 C. number is printed out twice if number is zero;


 D. number is printed out once if number is positive.

问题 7

得 0 分, 满分 10 分

Which of the following is the correct expression that evaluates to true if the number x is between 1 and 100 or the number is negative?

所选答案:  [未给定]


正确答案:  B. $((x < 100) \ \&\& \ (x > 1)) \ || \ (x < 0)$

问题 8

得 0 分, 满分 10 分

What is `1.0 + 1.0 + 1.0 == 3.0`?

所选答案:  [未给定]


正确答案:  C. There is no guarantee that `1.0 + 1.0 + 1.0 == 3.0` is true.

问题 9

得 0 分, 满分 10 分

Suppose `x=10` and `y=10`. What is `x` after evaluating the expression `(y > 10) && (x-- > 10)`?

所选答案:  [未给定]

正确答案:  B. 10

问题 10

得 0 分, 满分 10 分

Including a space between the relational operators `>=`, `<=`, `==`, and `!=` causes a syntax error.

所选答案:  [未给定]

正确答案:  A. true

问题 11

得 0 分, 满分 10 分

The order of the precedence (from high to low) of the operators binary `+`, `*`, `&&`, `||`, `^` is:

所选答案:  [未给定]

正确答案:  B. `*`, `+`, `^`, `&&`, `||`

问题 12

得 0 分, 满分 10 分

Analyze the following two code fragments.


(i)

```
int x = 5;
if (0 < x) && (x < 100)
    System.out.println("x is between 1 and 100");
```

(ii)

```
int x = 5;
if (0 < x && x < 100)
    System.out.println("x is between 1 and 100");
```

所选答案:  [未给定]

正确答案:  A. The first fragment has a syntax error.

问题 13

得 0 分, 满分 10 分

Assume $x = 4$ and $y = 5$, which of the following is true?

所选答案:  [未给定]


正确答案:  B. $x != 4 \wedge y == 5$

问题 14

得 0 分, 满分 10 分

The "less than or equal to" comparison operator in Java is _____.

所选答案:  [未给定]

正确答案:  B. \leq

问题 15

得 0 分, 满分 10 分

Suppose $x = 1$, $y = -1$, and $z = 1$. What is the printout of the following statement? (Please indent the statement correctly first.)

```
if (x > 0)
    if (y > 0)
        System.out.println("x > 0 and y > 0");
else if (z > 0)
    System.out.println("x < 0 and z > 0");
```

所选答案:  [未给定]


正确答案:  D. $x < 0$ and $z > 0$;


问题 16

得 0 分, 满分 10 分

Assume $x = 14$ and $y = 15$, Which of the following is true?

所选答案:  [未给定]

正确答案:  B. $x \% 2 == 0 \mid \mid y \% 2 == 0$

 D. $x \% 2 == 0 \&\& y \% 2 == 1$

问题 17

得 0 分, 满分 10 分

A break statement is required for a switch-case statement in Java.

所选答案:  [未给定]


正确答案:  A. false


问题 18

得 0 分, 满分 10 分

_____ are short-circuit operators.

所选答案:  [未给定]

正确答案:  A.||

 C.&&

问题 19

得 0 分, 满分 10 分

The exclusive or (^) of true and true is true.

所选答案:  [未给定]

正确答案:  B.false

问题 20

得 0 分, 满分 10 分

Which of the following code displays the area of a circle if the radius is positive.

所选答案:  [未给定]

正确答案:  A.if (radius > 0) System.out.println(radius * radius * 3.14159);

问题 21

得 0 分, 满分 10 分

Analyze the following program fragment:

```
int x;  
double d = 1.5;  
  
switch (d) {  
    case 1.0: x = 1;  
    case 1.5: x = 2;  
    case 2.0: x = 3;  
}
```

所选答案:  [未给定]

正确答案:  A.The switch control variable cannot be double.

问题 22

得 0 分, 满分 10 分

Analyze the following code.

```
int x = 0;  
if (x > 0);  
{  
    System.out.println("x");  
}
```

所选答案:  [未给定]

正确答案:  C.The symbol x is always printed.


问题 23

得 0 分，满分 10 分

What is y after the following switch statement is executed?

```
int x = 3; int y = 4;
switch (x + 3) {
    case 6: y = 0;
    case 7: y = 1;
    default: y += 1;
}
```

所选答案:  [未给定]

正确答案:  D.2

问题 24

得 0 分，满分 10 分

Assume x is 0. What is the output of the following statement?

```
if (x > 0)
    System.out.print("x is greater than 0");
else if (x < 0)
    System.out.print("x is less than 0");
else
    System.out.print("x equals 0");
```

所选答案:  [未给定]

正确答案:  B.x equals 0

问题 25

得 0 分，满分 10 分

Suppose isPrime is a boolean variable, which of the following is the correct and best statement for testing if isPrime is true.

所选答案:  [未给定]

正确答案:  B.if (isPrime)

问题 26

得 0 分，满分 10 分

Analyze the following code fragments that assign a boolean value to the variable even.

```
Code 1:
if (number % 2 == 0)
    even = true;
else
    even = false;
```


Code 2:

```
even = (number % 2 == 0) ? true: false;
```

Code 3:

```
even = number % 2 == 0;
```

所选答案:  [未给定]

正确答案:  E.All three are correct, but Code 3 is preferred.

问题 27

得 0 分, 满分 10 分

Assume x = 4, which of the following is true?

所选答案:  [未给定]


正确答案:  D.x != 5

问题 28

得 0 分, 满分 10 分

The binary operator + is left-associative.

所选答案:  [未给定]

正确答案:  A.true

问题 29


得 0 分, 满分 10 分

Analyze the following code:

```
// Enter an integer
Scanner input = new Scanner(System.in);
int number = input.nextInt();

if (number <= 0)
    System.out.println(number);
```

所选答案:  [未给定]

正确答案:  E.If number is zero, number is displayed;

问题 30

得 0 分, 满分 10 分

Which of the following expressions evaluates to true?

所选答案:  [未给定]


正确答案:  D.'a' > 'A'

问题 31

得 0 分, 满分 10 分

What is the value of the following expression?
`true || true && false`

所选答案:  [未给定]


正确答案:  A.true

问题 32

得 0 分, 满分 10 分

The equal comparison operator in Java is _____.

所选答案:  [未给定]


正确答案:  A.==

问题 33

得 0 分, 满分 10 分

Which of the Boolean expressions below has incorrect syntax?

所选答案:  [未给定]

正确答案:  A.(x != 0) || (x = 0)


问题 34

得 0 分, 满分 10 分

What is y after the following statement is executed?

```
x = 0;  
y = (x > 0) ? 10 : -10;
```

所选答案:  [未给定]

正确答案:  D.-10


问题 35

得 0 分, 满分 10 分

Suppose cond1 and cond2 are two Boolean expressions.
When will this if condition be true?

```
if (cond1 && cond2) ...
```

所选答案:  [未给定]

正确答案:  D.in case cond1 is true and cond2 is true

问题 36

得 0 分, 满分 10 分

The following code displays _____.

```
double temperature = 50;
```



```
if (temperature >= 100)
    System.out.println("too hot");
else if (temperature <= 40)
    System.out.println("too cold");
else
    System.out.println("just right");
```

所选答案:  [未给定]

正确答案:  C.just right

问题 37

得 0 分, 满分 10 分

What is the output of the following code?

```
boolean even = false;
System.out.println((even ? "true" : "false"));
```

所选答案:  [未给定]

正确答案:  D.false

问题 38

得 0 分, 满分 10 分

You can cast a Boolean value to an int, or an int to Boolean.

所选答案:  [未给定]


正确答案:  A.false

问题 39

得 0 分, 满分 10 分

What is the possible output from `System.out.println((int)(Math.random() * 4))`?

所选答案:  [未给定]

正确答案:  A.0

 B.2

 D.1


 E.3

问题 40

得 0 分, 满分 10 分

The not equal comparison operator in Java is _____.

所选答案:  [未给定]


正确答案:  D.!=

问题 41

得 0 分, 满分 10 分

Which of the following are so called short-circuit operators?

所选答案:  [未给定]

正确答案:  B.&&

 C.||


问题 42

得 0 分, 满分 10 分

Analyze the following code:

```
boolean even = false;  
if (even = true) {  
    System.out.println("It is even");  
}
```

所选答案:  [未给定]

正确答案:  B.The program runs fine and displays It is even.

问题 43

得 0 分, 满分 10 分

Suppose cond1, cond2, and cond3 are Boolean expressions. Which of the following expression is equivalent to cond1 || cond2 && cond3?

所选答案:  [未给定]


正确答案:  B.cond1 || (cond2 && cond3)

问题 44

得 0 分, 满分 10 分

Which of the following operators are right-associative.

所选答案:  [未给定]

正确答案:  A.=

问题 45


得 0 分, 满分 10 分


Suppose cond1 and cond2 are two Boolean expressions. When will this if condition be true?

```
if (cond1 || cond2) ...
```

所选答案:  [未给定]

正确答案:  A.in case cond1 is false and cond2 is true

 B.in case cond1 is true and cond2 is true

 C.in case cond1 is true and cond2 is false

问题 46

得 0 分，满分 10 分

You can always convert an if statement to a switch statement.

所选答案:  [未给定]


正确答案:  B.false


问题 47

得 0 分，满分 10 分

Analyze the following code:

```
if (x < 100) && (x > 10)
    System.out.println("x is between 10 and 100");
```

所选答案:  [未给定]


正确答案:  D.The statement has compile errors because (x<100) & (x > 10) must be enclosed inside parentheses.

问题 48

得 0 分，满分 10 分

In Java, the word true is _____.

所选答案:  [未给定]


正确答案:  D.a Boolean literal

问题 49

得 0 分，满分 10 分

What is (int)Math.random()?

所选答案:  [未给定]




正确答案:  D.0

问题 50

得 0 分，满分 10 分

Which of the following statements are true?

所选答案:  [未给定]

正确答案:  A.(x > 0 && x < 10) is same as ((x > 0) && (x < 10))
 B.(x > 0 || x < 10 && y < 0) is same as (x > 0 || (x < 10 && y < 0))
 D.(x > 0 || x < 10) is same as ((x > 0) || (x < 10))

问题 51

得 0 分，满分 10 分

Suppose you write the code to display "Cannot get a driver's license" if age is less than 16 and "Can get a driver's license" if age is greater than or equal to 16. Which of the following code is the best?


I:
if (age < 16)
 System.out.println("Cannot get a driver's license");
if (age >= 16)
 System.out.println("Can get a driver's license");

II:
if (age < 16)
 System.out.println("Cannot get a driver's license");
else
 System.out.println("Can get a driver's license");

III:
if (age < 16)
 System.out.println("Cannot get a driver's license");
else if (age >= 16)
 System.out.println("Can get a driver's license");

IV:
if (age < 16)
 System.out.println("Cannot get a driver's license");
else if (age > 16)
 System.out.println("Can get a driver's license");
else if (age == 16)
 System.out.println("Can get a driver's license");

所选答案:  [未给定]


正确答案:  D.II


问题 52

得 0 分, 满分 10 分

Which of the following is a possible output from invoking Math.random()?

所选答案:  [未给定]

正确答案:  B.0.5

 D.0.0

问题 53

得 0 分, 满分 10 分

The assignment operator = is left-associative.

所选答案:  [未给定]

正确答案:  A.false

问题 54

得 0 分, 满分 10 分

Assume $x = 4$ and $y = 5$, which of the following is true?

所选答案:  [未给定]

正确答案:  B. $x < 5 \ || \ y < 5$

问题 55

得 0 分, 满分 10 分

Suppose you write the code to display "Cannot get a driver's license" if age is less than 16 and "Can get a driver's license" if age is greater than or equal to 16. Which of the following code is correct?


I:
`if (age < 16)
 System.out.println("Cannot get a driver's
license");
if (age >= 16)
 System.out.println("Can get a driver's license");`

II:
`if (age < 16)
 System.out.println("Cannot get a driver's
license");
else
 System.out.println("Can get a driver's license");`

III:
`if (age < 16)
 System.out.println("Cannot get a driver's
license");
else if (age >= 16)
 System.out.println("Can get a driver's license");`

IV:
`if (age < 16)
 System.out.println("Cannot get a driver's
license");
else if (age > 16)
 System.out.println("Can get a driver's license");
else if (age == 16)
 System.out.println("Can get a driver's license");`

所选答案:  [未给定]

正确答案:  A.IV

 B.I

 C.II


 D.III

问题 56

得 0 分，满分 10 分

System.exit(0) can be used to terminate the program.

所选答案:  [未给定]


正确答案:  B.true

问题 57

得 0 分，满分 10 分

Which of the following is the correct expression that evaluates to true if the number x is between 1 and 100 or the number is negative?

所选答案:  [未给定]

正确答案:  A.((x < 100) && (x > 1)) || (x < 0)

问题 58

得 0 分，满分 10 分

Which of the following expression is equivalent to (x > 1).

所选答案:  [未给定]

正确答案:  B.!(x <= 1)

问题 59

得 0 分，满分 10 分

The break keyword must be used in a switch statement; otherwise, a syntax error occurs.

所选答案:  [未给定]


正确答案:  B.false

问题 60

得 0 分，满分 10 分

Suppose x=10 and y=10. What is x after evaluating the expression (y > 10) && (x++ > 10).

所选答案:  [未给定]

正确答案:  B.10

问题 61

得 0 分，满分 10 分

You can always convert a switch statement to an equivalent if statement.

所选答案:  [未给定]


正确答案:  B.true

问题 62

得 0 分，满分 10 分

What is the output from `System.out.println((int)Math.random() * 4)`?

所选答案:  [未给定]

正确答案:  D.0

问题 63

得 0 分，满分 10 分

What is `1 + 1 + 1 + 1 + 1 == 5`?

所选答案:  [未给定]

正确答案:  B.true

问题 64

得 0 分，满分 10 分

Analyze the following code:

Code 1:

```
int number = 45;
boolean even;

if (number % 2 == 0)
    even = true;
else
    even = false;
```

Code 2:

```
boolean even = (number % 2 == 0);
```

所选答案:  [未给定]




正确答案:  D.Both Code 1 and Code 2 are correct, but Code 2 is better.

问题 65

得 0 分，满分 10 分

Which of the Boolean expressions below is incorrect?

所选答案:  [未给定]

正确答案:  B.(x != 0) || (x = 0)
 D.(-10 < x < 0)
 E.(true) && (3 == 4)

问题 66

得 0 分，满分 10 分

The _____ method immediately terminates the program.

所选答案:  [未给定]

正确答案:  C.System.exit(0);


问题 67

得 0 分, 满分 10 分

Suppose income is 4001, what is the output of the following code?

```
if (income > 3000) {  
    System.out.println("Income is greater than 3000");  
}  
else if (income > 4000) {  
    System.out.println("Income is greater than 4000");  
}
```

所选答案:  [未给定]


正确答案:  A.Income is greater than 3000

问题 68

得 0 分, 满分 10 分

Given $|x - 2| \geq 4$, which of the following is true?

所选答案:  [未给定]


正确答案:  A. $x - 2 \geq 4 \mid \mid x - 2 \leq -4$

问题 69

得 0 分, 满分 10 分

What is x after evaluating $x \hat{=} (2 \hat{>} 3) \hat{?} 2 \hat{:} 3$;

所选答案:  [未给定]


正确答案:  B.3

问题 70

得 0 分, 满分 10 分

_____ are the boolean operators.

所选答案:  [未给定]

正确答案:  A.&&

 B.^

 D.!

问题 71

得 0 分, 满分 10 分

In a switch statement, the default case must appear last among all cases. Otherwise, it would result in a compilation error.

所选答案:  [未给定]


正确答案:  B.false

问题 72

得 0 分, 满分 10 分

What is $1 - 0.1 - 0.1 - 0.1 - 0.1 - 0.1 == 0.5$?

所选答案:  [未给定]
案:


正确答案: 
案: C. There is no guarantee that $1 - 0.1 - 0.1 - 0.1 - 0.1 - 0.1 == 0.5$ is true.

问题 73

得 0 分, 满分 10 分

Given $|x - 2| \leq 4$, which of the following is true?

所选答案:  [未给定]


正确答案:  A. $x - 2 \leq 4 \ \&\& \ x - 2 \geq -4$

问题 74

得 0 分, 满分 10 分

Suppose $x=10$ and $y=10$. What is x after evaluating the expression $(y \geq 10) \ || \ (x-- > 10)$.

所选答案:  [未给定]

正确答案:  A. 10

问题 75

得 0 分, 满分 10 分

What is the output of the following code: (Please indent the statement correctly first.)

```
int x = 9;
int y = 8;
int z = 7;

if (x > 9)
    if (y > 8)
        System.out.println("x > 9 and y > 8");
else if (z >= 7)
    System.out.println("x <= 9 and z >= 7");
else
    System.out.println("x <= 9 and z < 7");
```

所选答案:  [未给定]




正确答案:  C. none

问题 76

得 0 分, 满分 10 分

Which of the following is not a valid boolean expression.

所选答案:  [未给定]

正确答案:  B.(1 < x < 100)
 C.(x = 1) || (x != 1)
 D.(x =< 5) && (x>=5)

问题 77

得 0 分, 满分 10 分

Analyze the following fragment.

```
double x = 0;  
double d = 1;  
switch (d + 4) {  
    case 5: x++;  
    case 6: --x;  
}
```

所选答案:  [未给定]

正确答案:  A.The switch control variable cannot be double.

问题 78

得 0 分, 满分 10 分

The conditional operator ?: is a _____

所选答案:  [未给定]




正确答案:  C.ternary operator

问题 79

得 0 分, 满分 10 分

Which of the following expression is equivalent to (year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)?

所选答案:  [未给定]


正确答案:  A.year % 4 == 0 && (year % 100 != 0) || year % 400 == 0
 B.(year % 4 == 0) && (year % 100 != 0) || (year % 400 == 0)
 D.year % 4 == 0 && year % 100 != 0 || year % 400 == 0

问题 80

得 0 分, 满分 10 分

Suppose x=10 and y=10. What is x after evaluating the expression (y >= 10) || (x++ > 10).

所选答案:  [未给定]

正确答案:  A.10


问题 81

得 0 分, 满分 10 分

What is y displayed in the following code?

```
public class Test1 {  
    public static void main(String[] args) {  
        int x = 1;  
        int y = x = x + 1;  
        System.out.println("y is " + y);  
    }  
}
```

所选答案:  [未给定]

正确答案:  C.y is 2 because x + 1 is assigned to x and then x is assigned to y.


问题 82

得 0 分, 满分 10 分

Analyze the following code.

```
boolean even = false;  
if (even) {  
    System.out.println("It is even!");  
}
```

所选答案:  [未给定]


正确答案:  C.The code displays nothing.

问题 83

得 0 分, 满分 10 分

Suppose x=0 and y=0 what is x after evaluating the expression (y > 0) && (1 > x++).

所选答案:  [未给定]

正确答案:  A.0

问题 84

得 0 分, 满分 10 分

Analyze the following code:

```
boolean even = ((231 % 2) == 0);  
if (even = true)  
    System.out.println("It is even!");  
else  
    System.out.println("It is odd!");A
```

所选答案:  [未给定]

正确答案:  D.The program displays "It is even!"

2019年11月20日 星期三 上午09时56分17秒 CST

← 确定

