Exam

Name_____

1) The "less than or ed	nual to" compariso	n operator in Java is			1)
A) <<	B) !=	C) <=	D) =<	E) <	'' <u> </u>
2) The equal compari	son operator in Jav	va is .			2)
A) ==	B) !=		^=	D) <>	, <u> </u>
3) What is 1 + 1 + 1 +	1 + 1 == 5?				3)
A) true					
B) false					
C) There is no g	uarantee that 1 + 1	+ 1 + 1 + 1 == 5 is tr	ue.		
4) What is 1.0 + 1.0 +	1.0 + 1.0 + 1.0 == 5	.0?			4)
, A) true					· _
B) false					
-	uarantee that 1.0 +	1.0 + 1.0 + 1.0 + 1.0	== 5.0 is true.		
5) In Java, the word to	rue is				5)
A) same as value		B)	a Java keyword		-
C) a Boolean lite		-	same as value 0		
6) Which of the follow	wing code displays	the area of a circle	if the radius is posi	itive?	6)
A) if (radius != 0) System.out.print	In(radius * radius *	3.14159);		_
B) if (radius >=	0) System.out.prin	tln(radius * radius *	3.14159);		
C) if (radius <=	0) System.out.prin	tln(radius * radius *	3.14159);		
D) if (radius > 0)) System.out.printl	n(radius * radius * 3	3.14159);		
7) is the code with natural language mixed with Java code.					7)
A) A flowchart o	diagram	B)	Java program		
C) A Java statem	nent	D)	Pseudocode		
8) Suppose x = 1, y =	-1, and z = 1. Wha	it is the printout of t	he following stater	nent?	8)
if (x > 0)					
if (y > 0)					
U	ntln("x > 0 and y > 0	D") ;			
else if (z > 0)	5				
	ntln("x < 0 and z > 0)");			
system.out.prii					

9) Analyze the following code:

<pre>boolean even = false; if (even = true) { System.out.println("It is even } A) The program runs fine, bu B) The program runs fine an C) The program has a compi</pre>	ut displays nothing. Id displays It is even!.			
D) The program has a runtin	ne error.			
10) Suppose income is 4001, what i	s the output of the foll	lowing code:		10)
if (income > 3000) { System.out.println("Income is } else if (income > 4000) { System.out.println("Income is				
 A) no output B) Income is greater than 30 C) Income is greater than 30 D) Income is greater than 40 E) Income is greater than 40 	00 00 followed by Income	C C		
11) Which of the following is the co	mber x is between 1	11)		
and 100 or the number is negat A) 1 < x < 100 && x < 0 C) ((x < 100) && (x > 1)) (>		B) (1 > x > 100) (x < 0 D) ((x < 100) && (x > 1))	-	
12) Analyze the following code:				12)
if (x < 100) && (x > 10) System.out.println("x is betw	een 10 and 100");			
 A) The statement has compil parentheses and the print B) The statement compiles fi C) The statement compiles fi D) The statement has compil parentheses. 	In() statement must ine, but has a runtime ine.	be put inside a block. error.		
13) What is the output of the follov	ving code?			13)
char ch = 'F'; if (ch >= 'A' && ch <= 'Z') System.out.println(ch); A) f B)	Ff	C) F	D) nothing	

9)

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char ch = 'b';
   switch (ch) {
     case 'a':
       System.out.print(ch);
     case 'b':
       System.out.print(ch);
     case 'c':
       System.out.print(ch);
     case 'd':
      System.out.print(ch);
   }
     A) abcd
                           B) bbb
                                               C) bcd
                                                                     D) bb
                                                                                          E) b
                                                                                                           15)
15) 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");
                                                           B) too cold
     A) just right
      C) too hot too cold just right
                                                          D) too hot
                                                                                                           16) _____
16) Analyze the following code.
   boolean even = false;
   if (even) {
     System.out.println("It is even!");
   }
     A) The code is wrong. You should replace if (even) with if (even = true)
      B) The code displays It is even!
      C) The code is wrong. You should replace if (even) with if (even == true)
      D) The code displays nothing.
                                                                                                           17)
17) What is y after the following switch statement is executed?
   x = 3;
   switch (x + 3) {
     case 6: y = 0;
     case 7: y = 1;
     default: y += 1;
   }
     A) 1
                                B) 3
                                                          C) 4
                                                                                    D) 2
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14) _____

18) _____ 18) What is the printout of the following switch statement? char ch = 'a'; switch (ch) { case 'a': case 'A': System.out.print(ch); break; case 'b': case 'B': System.out.print(ch); break; case 'c': case 'C': System.out.print(ch); break; case 'd': case 'D': System.out.print(ch); } D) abc A) a B) abcd C) aa E) ab 19) 19) 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; } A) The switch control variable cannot be double. B) The program has a compile error because the required break statement is missing in the switch statement. C) The program has a compile error because the required default case is missing in the switch statement.

D) No errors.

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

20)

A) &, ||, &&, *, + B) *, +, &, ||, && C) *, +, &, &&, || D) &&, ||, &, *, + E) *, +, &&, ||, &

21) Analyze the following fragment.		21)		
double x = 0;				
double d = 1;				
switch (d + 4) {				
case 5: x++;				
case 6:x;				
 } A) The required default keyword is missing in the B) The required break keyword is missing in the C) d + 4 should be replaced by 5. D) The switch control variable cannot be double 	e switch statement.			
 22) Assume x = 14 and y = 15, Which of the following A) x % 2 == 0 y % 2 == 0 C) x % 2 == 0 && y % 2 == 0 	is true? B) x % 2 != 0 && y % 2 != 0 D) x % 2 == 1 && y % 2 == 0	22)		
23) Analyze the following code: (may havve multiple answers)				
// Enter an integer				
<pre>Scanner input = new Scanner(System.in);</pre>				
int number = input.nextInt();				
if (number <= 0)				
System.out.println(number);				
System.out.println(number); A) number is always printed out at least once; B) number is printed out once if number is posi C) number is printed out twice if number is neg D) number is printed out twice if number is zero E) All of the above	ative;			
24) Including a space between the relational operator A) true	TS >=, <=, ==, and != causes a syntax error. B) false	24)		
25) What is the value of the following expression?true true && falseA) true	B) false	25)		
 26) To check whether a char variable ch is an uppercase A) (ch >= 'A' ch <= 'Z') C) (ch >= 'A' && ch >= 'Z') 	letter, you write B) (ch >= 'A' && ch <= 'Z') D) ('A' <= ch <= 'Z')	26)		