Java Sample Test - 20 Single Choice Questions (0-50 p.)

1. What is the output of the following method `void calculateSqrt(double x)`?

    A. real number (floating point)

    B. integer

    C. text

    D. nothing

2. How do most Java statements end?

    A. With a comma

    B. With a period

    C. With a semicolon

    D. With a colon

3. Which file extension is used for Java source code?

    A. .txt

    B. .java

    C. .html

    D. .pdf

4. What is the name of the method that starts a Java program?

    A. start()

    B. runProgram()

    C. main()

    D. begin()

5. What does the keyword `class` mean?

    A. Create a file

    B. Define a class

    C. End the program

    D. Comment

6. Which of the following is a correct single-line comment?

    A. # comment

    B. `<!-- comment -->`

    C. `// comment`

    D. ** comment **

7. Which type stores whole numbers in Java?

   A. boolean

   B. int

   C. String

   D. char

8. What does the type `String` represent?

   A. A single character

   B. A logical value

   C. A number

   D. Text

9. How do you write true/false values in Java?

   A. yes / no

   B. true / false

   C. 1 / 0

   D. on / off

10. What will this line print: `System.out.println("Hello");`?

    A. This is not a printing command

    B. hello

    C. Hello

    D. "Hello"

11. What does the `+` operator do when used with two Strings?

    A. Adds words

    B. Concatenates (joins) text

    C. Deletes text

    D. Multiplies text

12. Which variable name is invalid?

    A. avgGrade

    B. average grade

    C. aver_gr

    D. AG

13. Which word creates a new object in Java?

A. create

B. object

C. new

D. make

14. What is the result of `3 * 2` in Java?

A. 5

B. 6

C. 32

D. 3*2

15. What value will this produce: `boolean flag = (5 > 2);` ?

A. 5

B. 2

C. true

D. false

16. What does the `==` operator do?

A. Assign a value

B. Check equality

C. Start a comment

D. End a program

17. Which keyword is used for conditional execution?

A. if

B. for

C. class

D. package

18. Which is a correct `for` loop?

A. for $i < 10$

B. for(i $= 0$; $i < 10$; i++)

C. for: i $= 0 \rightarrow 10$

D. for($i; i < 10$)

19. What does the `return` statement do?

A. Ends a method

B. Prints text

C. Creates an object

D. Creates a class

20. What does `void` mean in a method definition?

   A. It returns a number

   B. It returns text

   C. It returns nothing

   D. It returns an object