# Questions

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| **1.** | Identify the Bitwise NOT operator in Java below. |
| |  | | --- | | A.  ~ |  |  | | --- | | B.  ! |  |  | | --- | | C.  # |  |  | | --- | | D.  ^ | | | |
| **Correct Answer: A** | | |
| **2.** | Bitwise operators in Java work with? |
| |  | | --- | | A.  boolean data like true or false |  |  | | --- | | B.  Real numbers like float or double |  |  | | --- | | C.  Individual bits of integers like byte, short, int, long and char |  |  | | --- | | D.  all of the above | | | |
| **Correct Answer: C** | | |

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| **3.** | What is the name of << bitwise operator in Java? |
| |  | | --- | | A.  Right Shift Operator |  |  | | --- | | B.  left Shift Operator |  |  | | --- | | C.  Left Shift Fill Zero operator |  |  | | --- | | D.  right Shift Fill Zero operator | | | |
| **Correct Answer: B** | | |
| **4.** | What is this >> bitwise operator in Java? |
| |  | | --- | | A.  Right Shift Operator |  |  | | --- | | B.  left Shift Operator |  |  | | --- | | C.  Left Shift Fill Zero operator |  |  | | --- | | D.  right Shift Fill Zero operator | | | |
| **Correct Answer: A** | | |

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| **5.** | What is this >>> bitwise operator in Java? |
| |  | | --- | | A.  Right Shift Operator |  |  | | --- | | B.  left Shift Operator |  |  | | --- | | C.  Left Shift Fill Zero operator |  |  | | --- | | D.  right Shift Fill Zero operator | | | |
| **Correct Answer: D** | | |
| **6.** | Left Shift (<<) in Java is equivalent to? |
| |  | | --- | | A.  Subtracting the number by 2 |  |  | | --- | | B.  Dividing the number by 2 |  |  | | --- | | C.  Multiplying the number by 2 |  |  | | --- | | D.  Adding the number by 2 | | | |
| **Correct Answer: C** | | |

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| **7.** | Right Shift >> in Java is equivalent to? |
| |  | | --- | | A.  Subtracting the number by 2 |  |  | | --- | | B.  Dividing the number by 2 |  |  | | --- | | C.  Multiplying the number by 2 |  |  | | --- | | D.  Adding the number by 2 | | | |
| **Correct Answer: B** | | |
| **8.** | What is the output of a Bitwise AND (&) operation if both the inputs/operands are 1s? |
| |  | | --- | | A.  1 |  |  | | --- | | B.  0 |  |  | | --- | | C.  1 or 0 |  |  | | --- | | D.  none of the above | | | |
| **Correct Answer: A** | | |

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| **9.** | What is the output of a Bitwise OR (|) operation if both the inputs are 1s? | |
| |  | | --- | | A.  1 |  |  | | --- | | B.  0 |  |  | | --- | | C.  1 or 0 |  |  | | --- | | D.  none of the above | | | | |
| **Correct Answer: A** | | | |
| **10.** | | What are the two possible Logical Operator types? |
| |  | | --- | | A.  bitwise logical |  |  | | --- | | B.  boolean logical |  |  | | --- | | C.  arithmatic logical |  |  | | --- | | D.  both a and b | | | | |
| **Correct Answer: D** | | | |

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| **11.** | What is the input for Logical Operators? |
| |  | | --- | | A.  1 and 0 |  |  | | --- | | B.  true / false |  |  | | --- | | C.  char/string |  |  | | --- | | D.  none of the above | | | |
| **Correct Answer: B** | | |
| **12.** | What is the output of any Logical operation in Java? |
| |  | | --- | | A.  1 and 0 |  |  | | --- | | B.  true / false |  |  | | --- | | C.  char/string |  |  | | --- | | D.  none of the above | | | |
| **Correct Answer: B** | | |

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| **13.** | Which is the Logical operator in Java that works with a Single Operand? |
| |  | | --- | | A.  Logical AND |  |  | | --- | | B.  Logical OR |  |  | | --- | | C.  Logical Exclusive OR |  |  | | --- | | D.  Logical NOT | | | |
| **Correct Answer: D** | | |
| **14.** | Which among the following is a Logical Unary NOT operator in Java? |
| |  | | --- | | A.  ~ |  |  | | --- | | B.  ! |  |  | | --- | | C.  # |  |  | | --- | | D.  ^ | | | |
| **Correct Answer: B** | | |

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| **15.** | boolean b=false;  b=!b;  System.out.println(b);  what is the output? |
| |  | | --- | | A.  true |  |  | | --- | | B.  false |  |  | | --- | | C.  compile time error |  |  | | --- | | D.  none of the above | | | |
| **Correct Answer: A** | | |
| **16.** | What is the output of Logical AND (&) operation if one of the inputs/operands is false? |
| |  | | --- | | A.  true |  |  | | --- | | B.  false |  |  | | --- | | C.  true or false |  |  | | --- | | D.  none of the above | | | |
| **Correct Answer: B** | | |

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| **17.** | What is the output of Logical OR operation if one of the inputs/operands is false? |
| |  | | --- | | A.  true |  |  | | --- | | B.  false |  |  | | --- | | C.  true or false |  |  | | --- | | D.  none of the above | | | | |
| **Correct Answer: C** | | | |
| **18.** | What is the output of a Logical OR (|) operation if one of the inputs/operands is true? | |
| |  | | --- | | A.  true |  |  | | --- | | B.  false |  |  | | --- | | C.  true or false |  |  | | --- | | D.  none of the above | | | | |
| **Correct Answer: A** | | | |

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