

Java 9 & 10

Assignment: Operators-3

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Instructions:

- Complete this assignment in next 24 hours.
- Submit the solution to your leaders.
- Ask for help to your leaders if it is really a need.

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Program 1: Solve following Shifting operation on paper and share that with your leader.

1. num = 88 result = num<<4
2. num = -20 result = num<<3

Program 2: Solve following Shifting operation on paper and share that with your leader.

1. num = 75 result=num>>2
2. num = -38 result=num>>4

Program 3: Write a Java program for following operations and explain the error if any.

- 1.num=188 result = num>>>4
- 2.num=255 result1 = num<<<3
2. num = -108 result =num>>>23
3. num=-123 result1 = num<<<15

Program 4: Solve the Following Expressions and Write explanation of each operation along with the order of precedence

- 1]. int a = 25, b = -34, c = 19, d = 4;
- 2]. int res = ((a << 2 | b >> 3)
- 3]. boolean result = ((a << 2 | b >> 3) < -10) || ((c++ << 2 & b-- >>> d) >= 23)

Program 5: Write a Java code containing all the operators taught (Arithmetic, Logical, Bitwise). Code must contain 3 Classes and one Main Class, where each class should contain at least 1 static and 1 non static methods. No operations should be performed in main class Except Object Creation and Calling the methods.