

Java operators and their precedence and associativity

Assignment Questions



Q1 – Write a program to add 8 to the number x and then divide it by 3. Now, the modulus of the quotient is taken with 5 and then multiply the resultant value by 5. Display the final result. (Easy)

Input: 2345

Output: 20

Q2 – Swap two numbers without the use of third variable.

(Medium)

Input: 5 10

Output: 10 5

Q3 – Write a program to calculate the sum of the digits of a 3-digit number.

(Easy)

Input: 132

Output: 6

Q4 – Assign values of variables 'a' and 'b' as 55 and 70 respectively and then check if:

(Easy)

- i) both the conditions 'a < 50' and 'a < b' are true.
- ii) at least one of the conditions 'a < 50' or 'a < b' is true.

Q5 – Find the total number of bits needed to be flipped to convert x to y.

(Medium)

Input: 65 80

Output: 2