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Operator JAVA

1. Length and breadth of a rectangle are 5 and 7 respectively. Write a program to calculate the area and perimeter of the rectangle.
2. Write a program to calculate the perimeter of a triangle having sides of length 2,3 and 5 units.
3. Write a program to add 8 to the number 2345 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.
4. Now, solve the above question using assignment operators (eg. +=, -=, *=).
5. Write a program to check if the two numbers 23 and 45 are equal.
6. Write a program to print the power of 7 raised to 5.
7. Assign values of variables 'a' and 'b' as 55 and 70 respectively and then check if both the conditions 'a < 50' and 'a < b' are true.
8. Now solve the above question to check if atleast one of the conditions 'a < 50' or 'a < b' is true.
9. If the marks of Robert in three subjects are 78,45 and 62 respectively (each out of 100), write a program to calculate his total marks and percentage marks.
10. Suppose the values of variables 'a' and 'b' are 6 and 8 respecrtively, write two programs to swap the values of the two variables.
    1 - first program by using a third variable
    2 - second program without using any third variable
    (Swapping means interchanging the values of the two variables E.g.- If entered value of x is 5 and y is 10 then after swapping the value of x and y should become 10 and 5 respectively.)
11. The total number of students in a class are 90 out of which 45 are boys. If 50% of the total students secured grade 'A' out of which 20 are boys, then write a program to calculate the total number of girls getting grade 'A'.
12. Write a program to calculate the sum of the first and the second last digit of a 5 digit.
    E.g.- NUMBER : 12345   OUTPUT : 1+4=5

13. Take a 4 digit number. Write a program to display a number whose digits are 2 greater than the corresponding digits of the number TAKEN.
For example, if the number which was taken is 5696, then the displayed number should be 7818.
14. Write a program to calculate the sum of the digits of a 3-digit number.
Number : 132   Output : 6
15. Write a program to reverse a 3-digit number.
E.g.-Number : 132   Output : 231