

Assignments on "Data Types. Variables and Operations "

Practice

1. Which of the following records are constants? Specify the type of the constant.
1) 09 2) 0,3 3) 1e4 4) 2/3 5) .5
2. Write a mathematical constant in the form of fixed-point.
1) 1.0e-01 2) 6e+01 3) 1.23145e+04
3. Which of the following strings are identifiers? Which are not and why?
1) X1 2) 1x 3) _1x 4) IV 5) int 6) INT
4. What is the result of the following expression?
1) 20/6 20%6 2) -20/6 -20%-6
3) 20/-6 20%-6 4) -20/-6 -20%-6
5. Specify the order of operations in an expression and type of expression if
 - `int a,b; long c, d; float x, y;`
 `y=a+c/x*y-b*d/(a+c)`
 - `byte b = -2;`
 `double d = 75L/b*2.0f+2.f*5.5;`
 - `byte b = 2;`
 `double d = 2.0f*75L/b-2.f*5.5;`
6. Write the expression that:
 - 1) changes the sign of the value of the variable x;
 - 2) doubles the value of a;
 - 3) increasing the value of the variable i by 1;
 - 4) to increase the value of I by 2;