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Program1. Compute the maximum of 3 numbers.

int@number1;

int@number2;

int@number3;

BEGIN

input(number1);

input(number1);

input(number1);

if %number1 > number2%

{

if %number1 > number3% {output(number1);}

else {output(number3);};

}

else

{

if %number2 > number3% {output(number2);}

else {output(number3);};

};

END

Program2. Resolve a second order equation. (Form: a\*x^2 + b\*x + c = 0)

real@a;

real@b;

real@c;

real@delta;

real@x1;

real@x2;

real@bNegative;

real@deltaRoot;

BEGIN

input(a);

input(b);

input(c);

delta = ( ( b ^ 2 ) – ( ( 4 \* a ) \* c ) );

if %delta < 0% {output("No solutions");}

else

{

bNegative = ( b – ( 2 \* b ) );

deltaRoot = squareRoot(delta);

x1 = ( ( bNegative – deltaRoot ) / ( 2 \* a ) );

x2 = ( ( bNegative + deltaRoot ) / ( 2 \* a ) );

if %delta == 0% {output(x1);}

else {output(x1); output(" and "); output(x2);};

};

END

Program3. Compute the sum of n numbers. n is given.

int@n;

int@inputNumber;

int@index;

int@sum;

BEGIN

input(n);

sum = 0;

for %index% range(0,n,1)

{

input(inputNumber);

sum = ( sum + inputNumber );

};

output(sum);

END

2 Errors (took Program3): a. line 1 (at “$n”), b. line 7 (at “7abc”)

int@$n;

int@inputNumber;

int@index;

int@sum;

BEGIN

input(n);

sum = 7abc;

for %index% range(0,n,1)

{

input(inputNumber);

sum = ( sum + inputNumber );

};

output(sum);

END