std::stack <int> stck;

void function( (S1), int ptr[] (S2) ){

$t1 = ptr[0],

$t2 = ptr[0],

$t3 = min,

$t4 = max,

$t5 = avrg,

$ t6 = tot = 0;

for( $t7 = 0; $t7 < $S1; ++$t7 ){

$t6 += ptr[i]; // $s2 used with ptr[i]

if( ptr[i] > $t1 ){ // $s2 used with ptr[i]

$t1 = ptr[i]; // $s2 used with ptr[i]

} else if (ptr[i] < $t2){ // $s2 used with ptr[i]

$t2 = ptr[i]; // $s2 used with ptr[i]

}}

$t4 = $t1;

$t3 = $t2;

for( $t7 = 0; $t7 < $s1; $t7++ ){

if( ptr[i] == $t4 ){

stck.push (ptr[i]);

stck.push (i);

}

}

for( $t7 = 0; $t7 < $s1; $t7++ ){

if( ptr[i] == $t3 ){

stck.push (ptr[i]);

stck.push ($t7);

}}

$t5 = $t6 / $s1;

stck.push ($t5);

}

int main() {

int arr[] = {1,1,2,3,9,9,6,0,1,1,7};

int \*ptr = arr;

$s1 = 10;

function( $s1, ptr );

std::cout << "Average: " << stck.top () << std::endl;

stck.pop ();

std::cout << "Min Index: " << stck.top () << std::endl;

stck.pop ();

std::cout << "Min: " << stck.top () << std::endl;

stck.pop ();

std::cout << "Max Index: :" << stck.top () << std::endl;

stck.pop ();

std::cout << "Max: " << stck.top () << std::endl;

stck.pop ();

std::cout << "Max Index: : " << stck.top () << std::endl;

stck.pop ();

std::cout << "Max: " << stck.top () << std::endl;

stck.pop ();

}