COMP 512 - Assignment 6

1.

begin

B[1..N] ;

swap\_counter 1;

while (swap\_counter < > 0 )

do

swap\_counter 0;

for i from 1 to N

do

if (B[i] > B[i+1]) then

swap\_value B[i+1];

B[i+1] B[i];

B[i] swap\_value;

swap\_counter swap\_counter + 1;

endif

endo;

endo;

p (N + 1) / 2;

if (N % 2 < > 0) then

medium B[p];

else

medium (B[p] + B[p + 1]) / 2;

endif;

display “The medium value of the given array B is” , medium;

end;