COEN 10 – Practice III

Use php syntax!

1. Write code to initialize array $x with the following pattern: 0,0,0,1,1,1,0,0,0,1,1,1, … Assume the array has same $size, which is a multiple of 3.

$f=0;

for ($i=0; $i<$size; $i+=3)

{

if($f==0);

{

$x[$i]=0;

$x[$i+1]=0;

$x[$i+2]=0;

$f=1;

}

else

{

$x[$i]=1;

$x[$i+1]=1;

$x[$i+2]=1;

$f=0;

}

}

1. Write the code to swap the elements in even positions of array $x with the corresponding elements in even positions of array $y. assume the array has size $size, which is even.

$temp=0;

for($i=0; $i<$size; $i+=2)

{

$temp=$x[$i];

$x[$i]=$y[$i];

$y[$i]=$temp;

}

1. Write the code to check if there is any repetition in array $x.

$f=0;

for($i=0; $i<$size; $i++)

{

for($j=$i+1; $j<$size; $j++)

{

if($x[$i]==$x[$j])

{

echo $x[$i] . “is repeating”;

$f=1;

$i=$size;

break;

}

}

}

if($f==0)

echo “no repetition”;

1. Write the code make every element in array $x (except the first and last) the average of its two neighbors. Assume the array has at least 3 elements.

for($i=1; $i<$size; $i++)

$x[$i]=($x[$i-1]+$x[$i+1])/2;

1. Write the code to find the minimum value in array $x.

$pos=0;

$min=$x[0];

for($i=1; $i<$size; $i++)

{

if($x[$i]<$min)

{

$min=$x[$i];

$pos=$i;

}

}