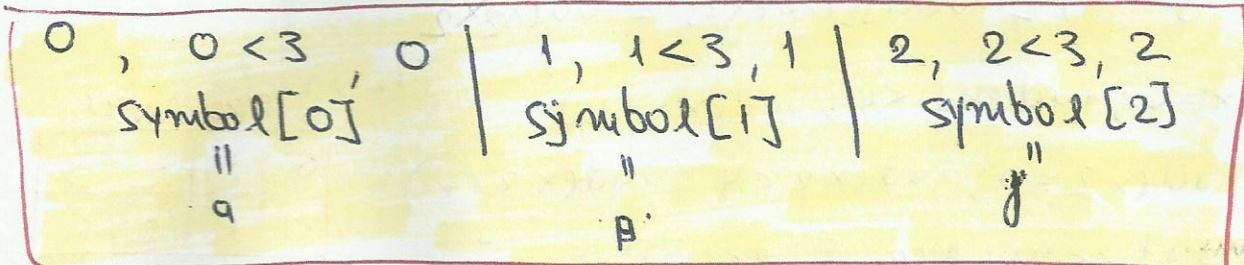
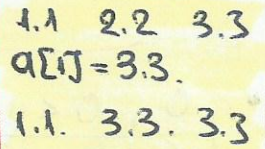


# ΠΑΡΑΔΕΙΓΜΑΤΑ - ΕΦΑΡΜΟΓΕΣ (ΠΙΜΑΚΕΣ)

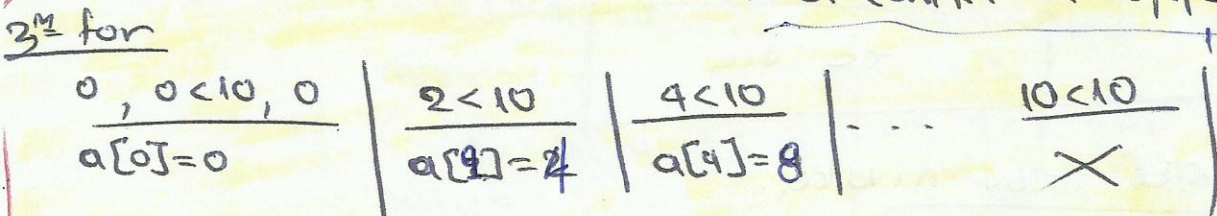
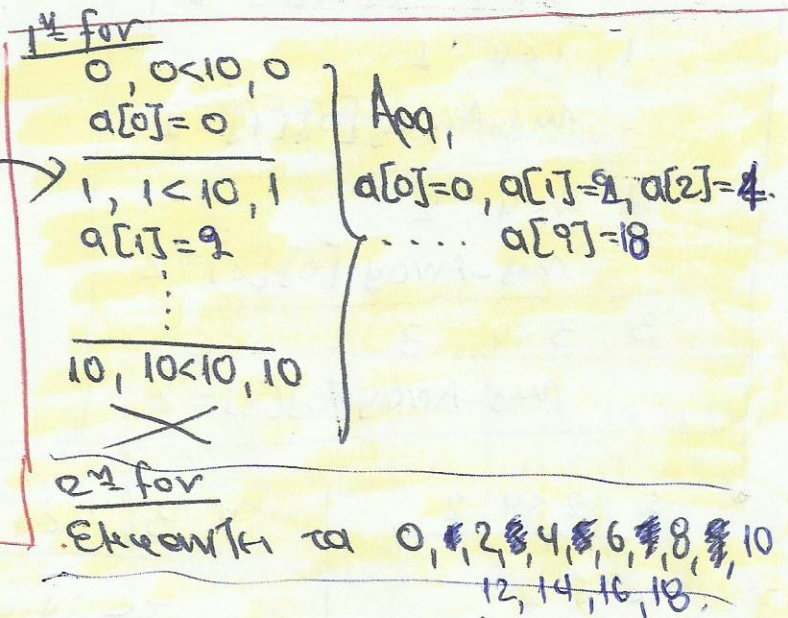
```
1) char symbol[3] = { 'a', 'β', 'γ' };
   for (int index=0; index < 3; index++)
       cout << symbol[index];
```



```
2) double a[3] = {1.1, 2.2, 3.3};
   cout << a[0] << " " << a[1] << " " << a[2] << endl;
   a[1] = a[2];
   cout << a[0] << " " << a[1] << " " << a[2] << endl;
```



```
3) int i, a[10];
   for (i=0; i < 10; i++)
       a[i] = 2 * i;
   for (i=0; i < 10; i++)
       cout << a[i] << " ";
   cout << endl;
   for (i=0; i < 10; i=i+2)
       cout << a[i] << " ";
   cout << endl;
```



αρα εκτελείται τα 0, 4, 8, 12, 16.

4) Ποια η έξοδος;

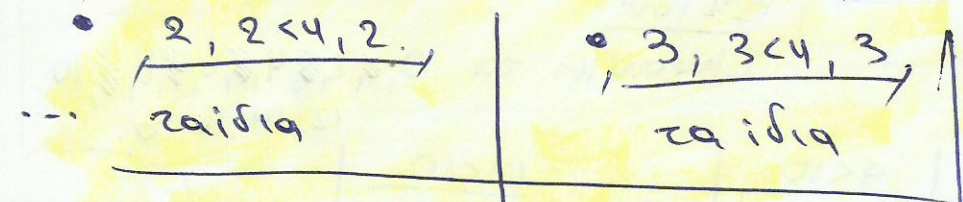
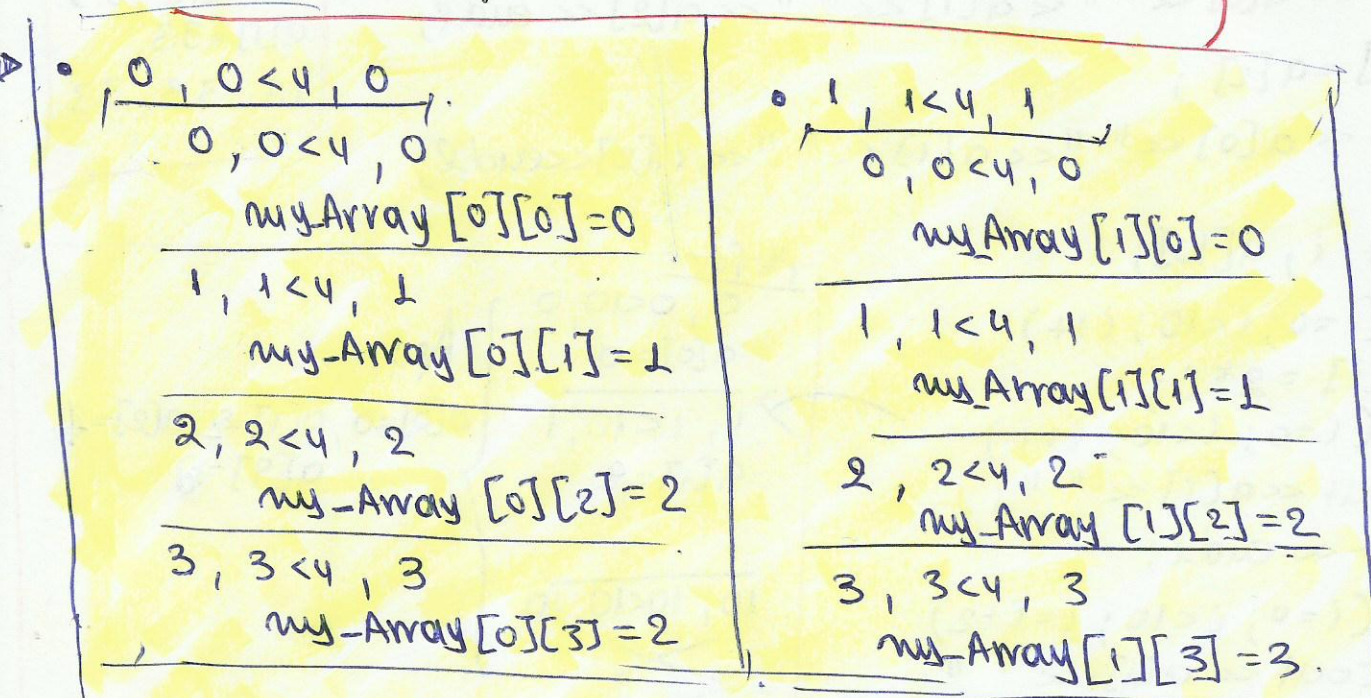
```

int myArray[4][4], index1, index2;
for (index1=0; index1<4; index1++)
    { for (index2=0; index2<4; index2++)
        myArray [index1][index2] = index2;
    }
for (index1=0; index1<4; index1++)
    { for (index2=0; index2<4; index2++)
        cout << my-Array[index1][index2];
    }

```

η προγραμματική έξοδος.

0	1	2	3
0	1	2	3
0	1	2	3
0	1	2	3



Θα εμφανιστεί τον πίνακα.

0	1	2	3
0	1	2	3
0	1	2	3
0	1	2	3

```

5) int outoforder(char a[], int size)
{
  for (int i = 0; i < size - 1; i++)
  {
    if (a[i] > a[i+1])
      return (i+1);
  }
  return -1;
}

```

Για τον πίνακα  $a[4] = [1 | 0 | 5 | 7]$  τι θα επιστρέψει στο κύριο πρόγραμμα;

<ul style="list-style-type: none"> <li>• 0, 0 &lt; 3, 0++</li> <li>(a[0] &gt; a[1])</li> <li>1 &gt; 0</li> <li>return 0+1 = 1</li> </ul>	<ul style="list-style-type: none"> <li>• 1, 1 &lt; 3, 1++</li> <li>(a[1] &gt; a[2])</li> <li>0 &gt; 5</li> <li>X</li> </ul>	<ul style="list-style-type: none"> <li>• 2, 2 &lt; 3, 2++</li> <li>(a[2] &gt; a[3])</li> <li>5 &gt; 7</li> <li>X</li> </ul>
--	---	---

Βγαίνει από τον βρόχο και αναστρέφεται

return -1

```

6)
max = 0;
min = 0;
for (int i = 0; i < 3; i++)
{
  if (a[i] > a[max])
    max = i;
  if (a[i] < a[min])
    min = i;
}

```

<ul style="list-style-type: none"> <li>• 0, 0 &lt; 3, 0++</li> <li>a[0] &gt; a[0]</li> <li>X</li> <li>a[0] &lt; a[0]</li> <li>X</li> </ul>	<ul style="list-style-type: none"> <li>• 1, 1 &lt; 3, 1++</li> <li>a[1] &gt; a[0]</li> <li>3 &gt; 1</li> <li>max = 1</li> <li>a[1] &lt; a[0]</li> <li>3 &lt; 1</li> <li>X</li> </ul>
<ul style="list-style-type: none"> <li>• 2, 2 &lt; 3, 2++</li> <li>a[2] &gt; a[1]</li> <li>5 &gt; 3</li> <li>max = 2</li> </ul>	<ul style="list-style-type: none"> <li>a[2] &lt; a[1]</li> <li>5 &lt; 3</li> <li>X</li> </ul>

Για τον πίνακα  $a[3] = [ -9 | 3 | 5 ]$

Αρα, θα είναι  
 max = 2 ← 0664  
 min = 0 ← 0664