|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Main | | | | | | | | | return | | | | |
| a | b | | c | | | X[] | | Y[] |  | | | | |
| 9 | 3 | |  | | | 10,5 | | 7,4 |  | | | | |
| C=G(9,3) | | | | | | | | | | | | | |
|  |  | | 9 | | |  | |  |  | | | | |
| 3 |  | |  | | |  | |  |  | | | | |
|  | 9 | |  | | |  | |  |  | | | | |
|  |  | |  | | |  | |  | 3 | | | | |
| main | | | | | | | | | | | | | |
|  |  | | 3 | | |  | |  |  | | | | |
| C=g(10,7) | | | | | | | | | | | | | |
| 10 | 7 | |  | | |  | |  |  | | | | |
|  |  | | 10 | | |  | |  |  | | | | |
| 7 |  | |  | | |  | |  |  | | | | |
|  | 10 | |  | | |  | |  |  | | | | |
|  |  | |  | | |  | |  | 7 | | | | |
| main | | | | | | | | | | | | | |
|  |  | | 7 | | | X[0]=10 | | Y[0]=7 |  | | | | |
| C=f(7,10) | | | | | | | | | | | | | |
| 7 | 10 | |  | | |  | |  |  | | | | |
|  |  | |  | | |  | |  | 7 | | | | |
| main | | | | | | | | | | | | | |
|  |  | | 7 | | |  | |  |  | | | | |
| C=g(f((5,4),f(&a,&b) | | | | | | | | | | | | | |
| f | | | | | | | | f | | | | | |
| A=5 | | B=4 | | C | | | return | A=9 | | B=3 | | c | return |
|  | |  | | 5 | | |  |  | |  | | 9 |  |
| 4 | |  | |  | | |  | 3 | |  | |  |  |
|  | | 5 | |  | | |  |  | | 9 | |  |  |
|  | |  | |  | | | 4 |  | |  | |  | 3 |
| C=g(4,3) | | | | | | | | | | | | | |
| A=4 | | | | | B=3 | | C | | | | return | | |
|  | | | | |  | | 4 | | | |  | | |
| 3 | | | | |  | |  | | | |  | | |
|  | | | | | 4 | |  | | | |  | | |
|  | | | | |  | |  | | | | 3 | | |
| main | | | | | | | | | | | | | |
|  | |  | | |  | |  |  |  | | | | |

Print

9 3 3

10 7 7

7 10 7

4 5 3 9 3

int f(int a[], int b[])//החלפה עם שינוי ערכים

{

int c;

if (a[0] > b[0])

{

c = a[0];

a[0] = b[0];

b[0] = c;

}

return a[0];

}

int g(int a, int b)//החלפה בלי שינוי ערכים

{

int c;

if (a > b)

{

c = a;

a = b;

b = c;

}

return a;

}

int main()

{

int a = 9, b = 3, c;

int x[] = { 10,5 }, y[] = { 7,4 };

c = g(a, b);

printf("%d %d %d\n", a, b, c);

c = g(x, y);

printf("%d %d %d\n", x[0], y[0], c);

c = f(x, y);

printf("%d %d %d\n", \*x, \*y, c);

c = g(f((x + 1), (y + 1)), f(&a, &b));

printf("%d %d %d %d %d\n",\*(x+1),\*(y+1), a, b, c);

return 0;

}