	Nama: Rifal Febiyan	
	NIM: 21000 18345	
	Kelas: G	
	Slot: P. Alpro Selasa 13.	30
	•	
1	Buatlah algoritma mengaruthan data array 2 dimens, betu	
	3×3 dengan menggunahan algoritma bubble soft.	
	Petanjuk : konversikan attay 2 dim	iens' menjadi I dimens', uru
	menggunakan buble Sor+ lala kemb	alillan menjadi attay 2 dime
	lagi.	404 640
	-7 Denlarasi	
	a: array[110][110]	of integer
	aray: array[110] of int	eget
	cur, cur2, z, temp : integer	
	tukat integer	
	liij, K, Z: integet	
	-> Desuripsi	
	4.	
	Write ('Masukkan data')	
	read (Z)	
	for i + 0 to z do	
	for jeo to z do	
	read (a[i][j])	Licenstrate & your
	endfor	Troip of last from
	/* Attay 2 dimensi Sebelum di	uonversi */
	for (i < 0 to z do)	
	for j to to z do	
	Write (a[i][j])	

/*Array 2 dimensi di konversi menjadi 1 dimensi */

K+0;

for i+0 to Z do

for j+0 to Z do

aray [K] + a [i][j]

K++

end for

end for

for k t 0 to z*z do

white (aray[h])

end for

*Setelah dikonversi menjadi array I dimensi, di sorting dengan bubble

sort */

For K+0+0 Z*Z do

tukar+ K

Con : 4 K+1+0 Z*Z do

for j < K+1 +0 z*z do if (aray [j] < aray [+ahar]) +uhar < j; endif

end for

temp < aray[tukar]

aray[tukar] < aray[K]

aray[K] < temp

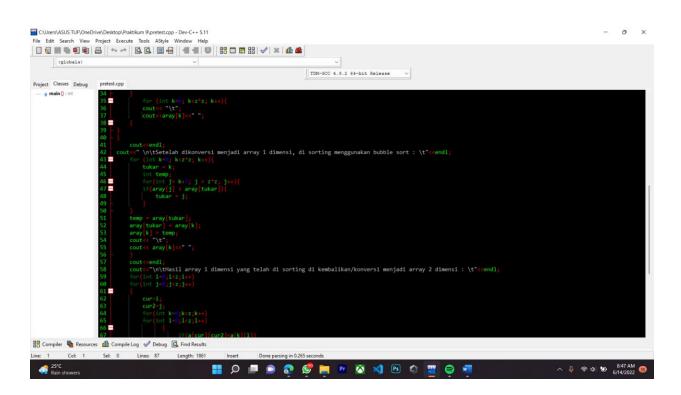
write (aray[K])

end for

```
*/ Attag I dimensi yang telah disorting dikonversikan kembali
 Ke array 2 dimensi */
   For it 0 to Z do
   for jeo to z do
     cur + i;
     cutzti;
     For Ktotoz do
      for 1 < 0 +0 2 do
       if (a[cur][curz] (a[k][1])
            cut + K;
             cur2 + 1;
        endif
     temp < atillij
alilije at curlt curz]
     a[cur][cur2] < temp;
       endfor
     end for
      for it o to z do
      for j < 0 to z do
write (a[i][j]);
       end for
      end for
```

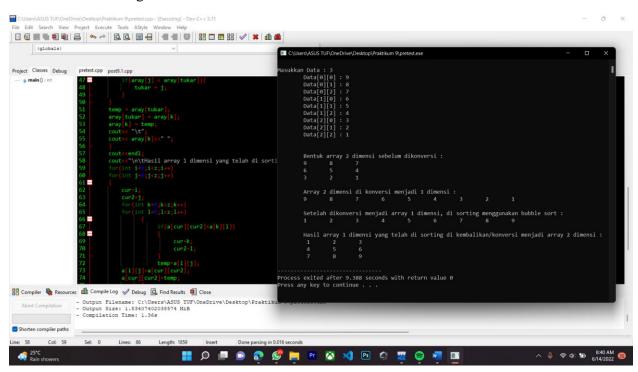
⇒ Source code Pada Dev C++

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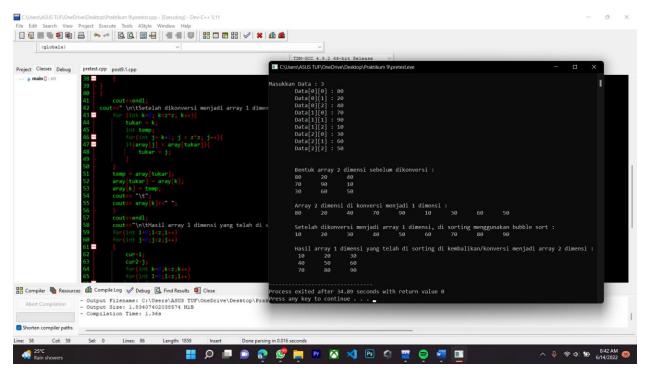


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| Colored | Colo
```

⇒ Hasil running Pecobaan ke-1



⇒ Hasil running percobaan ke-2



Source Code

```
#include <iostream>
#include <conio.h>
using namespace std;
int main(){
int a[10][10];
int aray[10];
int cur,cur2,z,temp;
int tukar;
       cout<<"\t\nMasukkan Data : ";</pre>
       cin>>z;
       for(int i=0;i< z;i++)
       for(int j=0; j< z; j++){
               cout<<"\tData["<<i<<"]["<<j<<"]: ";
               cin>>a[i][j];
       }
       cout << endl;
       cout<<"\n\tBentuk array 2 dimensi sebelum dikonversi : \t"<<endl;
       for (int i=0; i< z; i++){
               for (int j=0; j< z; j++){
                       cout << "\t";
```

```
cout<< a[i][j]<<" ";
               cout << endl;
               cout<<" \n\tArray 2 dimensi di konversi menjadi 1 dimensi : \t"<<endl;
       int k=0;
       for (int i=0; i< z; i++){
               for (int j=0; j< z; j++){
               aray[k]=a[i][j];
               k++;
               }
       }
               for (int k=0; k< z*z; k++){
               cout<< "\t";
       cout<<aray[k]<<" ";
       cout<<endl;
cout<<" \n\tSetelah dikonversi menjadi array 1 dimensi, di sorting menggunakan bubble sort :
t'' << endl;
       for (int k=0; k< z*z; k++){
               tukar = k;
               int temp;
               for(int j=k+1; j < z*z; j++){
               if(aray[j] < aray[tukar]){</pre>
                       tukar = j;
               }
       temp = aray[tukar];
       aray[tukar] = aray[k];
       aray[k] = temp;
       cout << "\t";
       cout << aray[k] << " ";
       }
       cout<<endl;
       cout<<"\n\tHasil array 1 dimensi yang telah di sorting di kembalikan/konversi menjadi
array 2 dimensi : \t"<<endl;
       for(int i=0;i< z;i++)
  for(int j=0;j<z;j++)
     cur=i;
     cur2=j;
     for(int k=0;k< z;k++)
     for(int l=0;l<z;l++)
```