

**1. Array 2 Dimensi Matriks dengan Nilai Maksimal dan Minimal**

```
#include<stdio.h>

#include<conio.h>

main (){

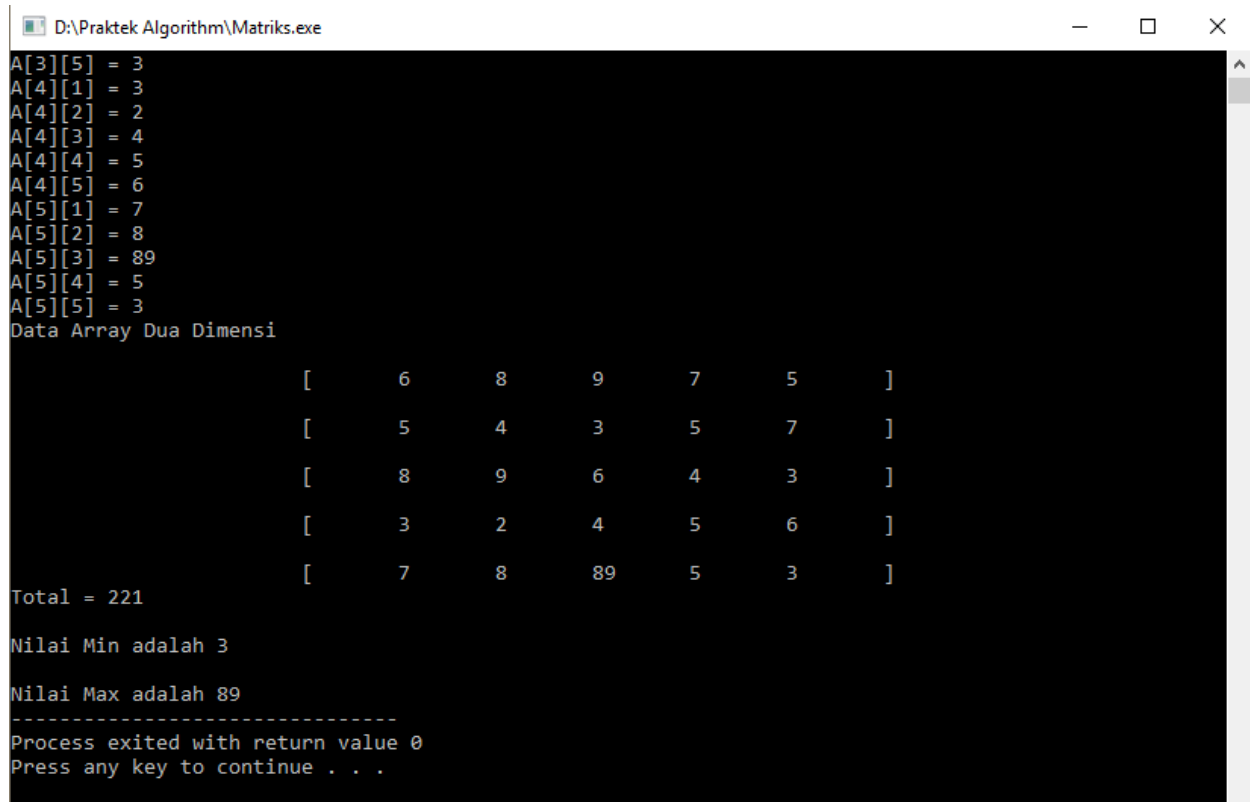
    int A[10][10],i,j,total=0,n,min,max;

    printf("Masukkan jumlah data = ");
    scanf("%d", &n);

    for(i=1; i<=n; i++)
    {
        for(j=1; j<=n; j++)
        {
            printf("A[%d][%d] = ", i, j);
            scanf("%d", &A[i][j]);
        }
    }
    printf("Data Array Dua Dimensi\n");
    for(i=1; i<=n; i++)
    {
        printf("\n\t\t\t\t\t");
        for(j=1; j<=n; j++)
        {
            printf("%d\t", A[i][j]);
            total+=A[i][j];
        }
    }
```

```
printf("]\n");  
}  
printf("Total = %d\n", total);  
  
min=A[1][1];  
max=A[1][1];  
  
for(i=1; i<=n; i++){  
    for(j=1; j<=n; j++)  
    {  
        if(A[i][j]>=max)  
        {  
            max=A[i][j];  
        }  
        else  
        {  
            min=A[i][j];  
        }  
    }  
}  
printf("\nNilai Min adalah %d\n", min);  
printf("\nNilai Max adalah %d", max);  
}
```

## Screenshoot Program



```
D:\Praktek Algorithm\Matriks.exe
A[3][5] = 3
A[4][1] = 3
A[4][2] = 2
A[4][3] = 4
A[4][4] = 5
A[4][5] = 6
A[5][1] = 7
A[5][2] = 8
A[5][3] = 89
A[5][4] = 5
A[5][5] = 3
Data Array Dua Dimensi
      [ 6 8 9 7 5 ]
      [ 5 4 3 5 7 ]
      [ 8 9 6 4 3 ]
      [ 3 2 4 5 6 ]
      [ 7 8 89 5 3 ]
Total = 221
Nilai Min adalah 3
Nilai Max adalah 89
-----
Process exited with return value 0
Press any key to continue . . .
```