

PROGRAM

```
#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);
}
```

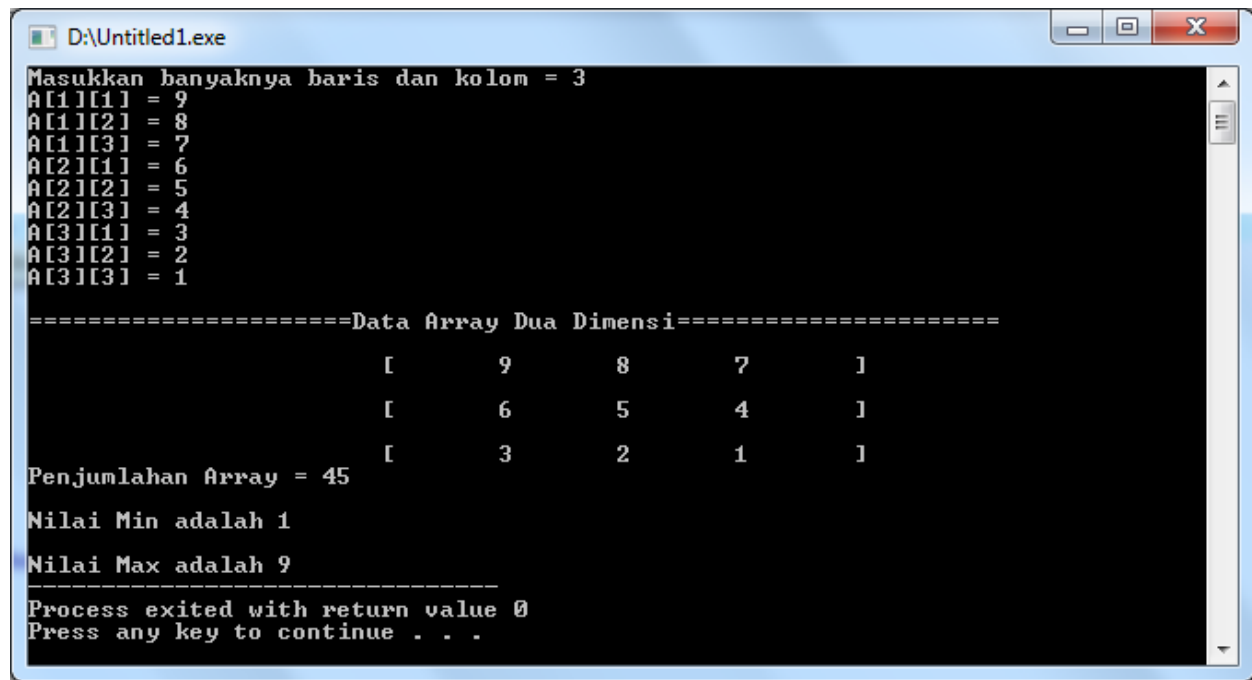
SCREENSHOOT

The screenshot displays the Dev-C++ IDE with a C++ program open in the editor. The program is designed to find the minimum and maximum values in a 2D array. The code includes the following elements:

- Headers:** `#include<stdio.h>` and `#include<conio.h>` are included at the top.
- Main Function:** The `main` function starts with a loop to initialize a 10x10 array `A` with values from 0 to 99.
- Input:** A prompt is shown: `printf("Masukkan banyaknya baris dan kolom = ");`. Below it, a line of code is highlighted: `1/ 2 _CRTIMP int __cdecl __MINGW_NOTHROW printf (const char*, ...)`.
- Data Entry:** A nested loop `for(i=1; i<=n; i++)` is used to read values into the array `A` using `scanf("%d", &A[i][j]);`.
- Output:** A separator line is printed: `printf("\n=====Data Array Dua Dimensi=====\\n");`.
- Calculation:** Another nested loop `for(i=1; i<=n; i++)` is used to calculate the minimum and maximum values in the array. The code uses `if(A[i][j]>max)` to update `max` and `if(A[i][j]<min)` to update `min`.
- Final Output:** The program prints the results: `printf("\\nNilai Min adalah %d\\n", min);` and `printf("\\nNilai Max adalah %d", max);`.

The status bar at the bottom of the IDE shows the following information:

- Line: 8
- Col: 47
- Sel: 0
- Lines: 52
- Length: 856
- Insert
- Done parsing



```
D:\Untitled1.exe
Masukkan banyaknya baris dan kolom = 3
A[1][1] = 9
A[1][2] = 8
A[1][3] = 7
A[2][1] = 6
A[2][2] = 5
A[2][3] = 4
A[3][1] = 3
A[3][2] = 2
A[3][3] = 1

=====Data Array Dua Dimensi=====

          [      9      8      7      ]
          [      6      5      4      ]
          [      3      2      1      ]

Penjumlahan Array = 45
Nilai Min adalah 1
Nilai Max adalah 9
-----
Process exited with return value 0
Press any key to continue . . .
```