

C: > cpp > c++\_lab.cpp > main()

```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5  int age[4];
6  int same_age[4];
7  int i=0;
8  age[0]=23;
9  age[1]=34;
10 age[2]=65;
11 age[3]=74;
12 for (;i<4;i++)
13 same_age[i]=age[i];
14 for (i=0;i<4;i++)
15 cout<<same_age[i]<<endl;
16 return 0;
17 }
```

OUTPUT

DEBUG CONSOLE

TERMINAL 1

PORTS

> ▾ TERMINAL



```
PS D:\C++> & 'c:\Users\Hanzalah\.vscode\ext
ngine-In-wooiuefb.lyt' '--stdout=Microsoft-M
smv.pee' '--dbgExe=C:\msys64\ucrt64\bin\gdb.
23
34
65
74
PS D:\C++> 
```

```

3
4 int main() {
5     int salary[6];
6
7     // Taking input from user
8     for(int i = 0; i < 6; i++) {
9         cout << "Enter salary of employee " << i + 1 << ": ";
10        cin >> salary[i];
11    }
12
13    // Displaying salaries
14    cout << "Salaries of Employees: "<<endl;
15    for(int i = 0; i < 6; i++) {
16        cout << "Employee " << i + 1 << " Salary: " << salary[i] << endl;
17    }
18
19    return 0;
20 }
21

```

OUTPUT    DEBUG CONSOLE    **TERMINAL 1**    PORTS

> ▾ **TERMINAL**



```

Enter salary of employee 3: 250000
Enter salary of employee 4: 43000
Enter salary of employee 5: 30000
Enter salary of employee 6: 50000
Salaries of Employees:
Employee 1 Salary: 20000
Employee 2 Salary: 32000
Employee 3 Salary: 250000
Employee 4 Salary: 43000
Employee 5 Salary: 30000
Employee 6 Salary: 50000
PS D:\C++>

```

C: > cpp > c++\_lab.cpp > main()

```
1  #include<iostream>
2  using namespace std;
3  int main( )
4  {
5  int arr[4][2] = {
6  { 10, 11 },
7  { 20, 21 },
8  { 30, 31 },
9  { 40, 41 }
10 } ;
11 int i,j;
12 cout<<"Printing a 2D Array:\n";
13 for(i=0;i<4;i++)
14 {
15 for(j=0;j<2;j++)
16 {
17 cout<<"\t"<<arr[i][j];
18 }
19 cout<<endl;
20 }
21 return 0;
22 }
```

OUTPUT

DEBUG CONSOLE

TERMINAL 1

PORTS

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Printing a 2D Array:

10	11
20	21
30	31
40	41

PS D:\C++>

C:\> cpp > c++\_lab.cpp >

```
3  int main( )
4  {
5      int s[2][2];
6      int i, j;
7      cout<<"\n2D Array\n";
8      for(i=0;i<2;i++)
9      {
10         for(j=0;j<2;j++)
11         {
12             cout<<"\ns["<<i<
13             cin>>s[i][j];
14         }
15     }
16
17     cout<<"\nThe 2-D
18     for(i=0;i<2;i++)
19     {
20         for(j=0;j<2;j++)
21         {
22             cout<<"\t"<<s[i]
23         }
24     cout<<endl;
```

OUTPUT

DEBUG CONSOLE

> ▼ TERMINAL



PS D:\C++> & 'c:\Users\soft-MIEngine-Out-1xxd  
soft-MIEngine-Out-1xxd  
soft-MIEngine-Out-1xxd

2D Array Input:

2D Array Input:

2D Array Input:

s[0][0]= 1132

s[0][1]= 32

s[1][0]= 4

s[1][1]= 54

s[0][1]= 32

s[1][0]= 4

s[0][1]= 32

s[0][1]= 32

s[1][0]= 4

s[1][1]= 54

The 2-D Array is:

1132 32

4 54

```

22
23     cout<<"\n2nd Matrix Input:\n";
24     for(i=0;i<r;i++)
25     {
26         for(j=0;j<c;j++)
27         {
28             cout<<"\nmatrix2["<<i<<"]["<<j<<"]=" ";
29             cin>>m2[i][j];
30         }
31     }
32
33     cout<<"\nAdding Matrices...\n";
34
35     for(i=0;i<r;i++)
36     {
37         for(j=0;j<c;j++)
38         {
39             m3[i][j]=m1[i][j]+m2[i][j];

```

OUTPUT    DEBUG CONSOLE    **TERMINAL 1**    PORTS

▼ TERMINAL

PS D:\C++> & 'c:\Users\Hanzalah\.vscode\extension  
-Pid-f2rffavc.af3' '--dbgExe=C:\msys64\ucrt64\bin  
Enter the no.of rows of the matrices to be added

matrix2[1][1]= 87

matrix2[1][2]= 89

matrix2[1][1]= 87

matrix2[1][1]= 87

matrix2[1][2]= 89

matrix2[2][0]= 23

○ matrix2[2][1]= 34

matrix2[2][2]= 65

matrix2[3][0]= 87

matrix2[3][1]= 14

matrix2[3][2]= 47

Adding Matrices...

The resultant Matrix is:

35	86	64
88	119	132
77	110	163
152	92	79

PS D:\C++> 68