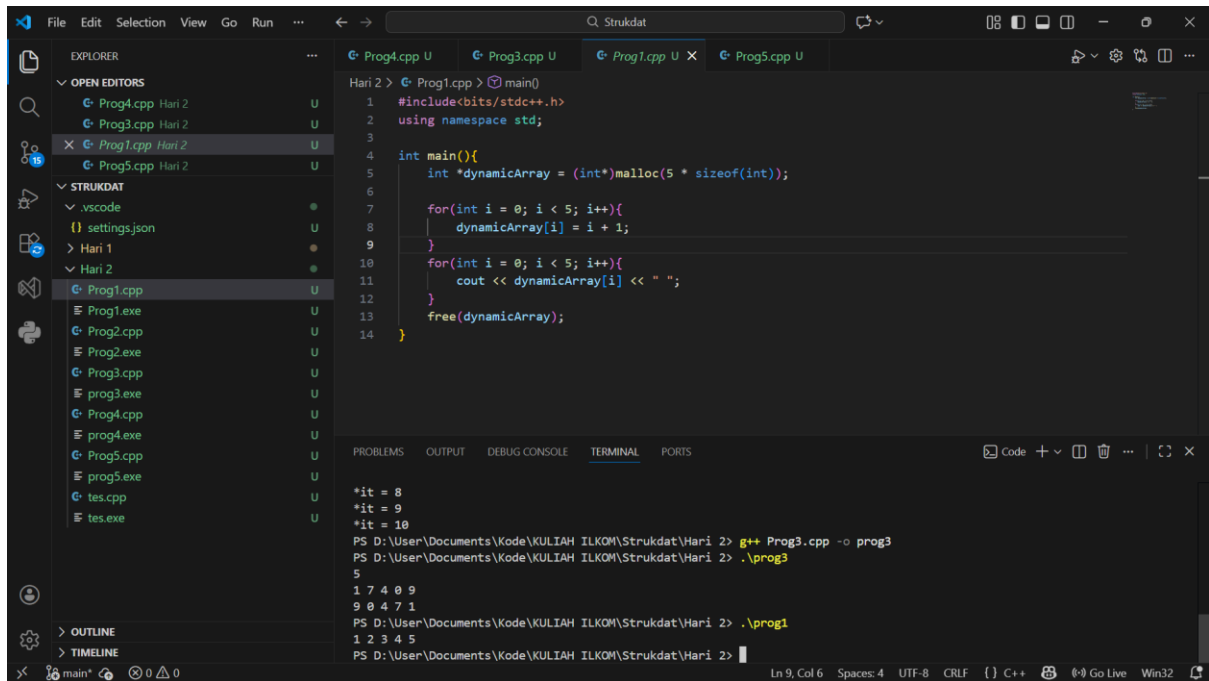


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Program 1

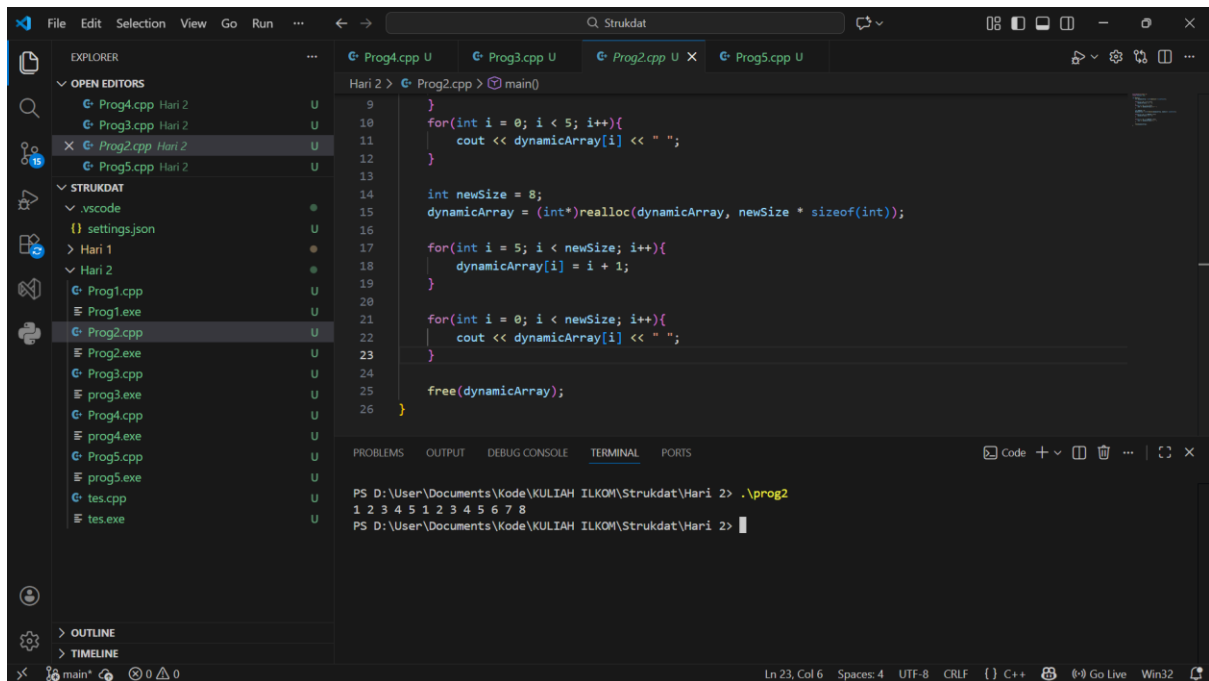


```
File Edit Selection View Go Run ... Q Strukdat
EXPLORER
OPEN EDITORS
  Prog4.cpp Hari 2 U
  Prog3.cpp Hari 2 U
  Prog1.cpp Hari 2 U
  Prog5.cpp Hari 2 U
  settings.json U
  Hari 1
  Hari 2
  Prog1.cpp U
  Prog1.exe U
  Prog2.cpp U
  Prog2.exe U
  Prog3.cpp U
  Prog3.exe U
  Prog4.cpp U
  Prog4.exe U
  Prog5.cpp U
  Prog5.exe U
  tes.cpp U
  tes.exe U
  OUTLINE
  TIMELINE
  main* 0 0 0
  Ln 9, Col 6 Spaces: 4 UTF-8 CRLF {} C++ Go Live Win32

Hari 2 > C: Prog1.cpp > main()
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 int main(){
5     int *dynamicArray = (int*)malloc(5 * sizeof(int));
6
7     for(int i = 0; i < 5; i++){
8         dynamicArray[i] = i + 1;
9     }
10    for(int i = 0; i < 5; i++){
11        cout << dynamicArray[i] << " ";
12    }
13    free(dynamicArray);
14 }
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Code + - - - - -
*it = 8
*it = 9
*it = 10
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> g++ Prog3.cpp -o prog3
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> .\prog3
5
1 7 4 0 9
9 0 4 7 1
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> .\prog1
1 2 3 4 5
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2>
```

Program 2



```
File Edit Selection View Go Run ... Q Strukdat
EXPLORER
OPEN EDITORS
  Prog4.cpp Hari 2 U
  Prog3.cpp Hari 2 U
  Prog2.cpp Hari 2 U
  Prog5.cpp Hari 2 U
  settings.json U
  Hari 1
  Hari 2
  Prog1.cpp U
  Prog1.exe U
  Prog2.cpp U
  Prog2.exe U
  Prog3.cpp U
  Prog3.exe U
  Prog4.cpp U
  Prog4.exe U
  Prog5.cpp U
  Prog5.exe U
  tes.cpp U
  tes.exe U
  OUTLINE
  TIMELINE
  main* 0 0 0
  Ln 23, Col 6 Spaces: 4 UTF-8 CRLF {} C++ Go Live Win32

Hari 2 > C: Prog2.cpp > main()
9 }
10 for(int i = 0; i < 5; i++){
11     cout << dynamicArray[i] << " ";
12 }
13
14 int newSize = 8;
15 dynamicArray = (int*)realloc(dynamicArray, newSize * sizeof(int));
16
17 for(int i = 5; i < newSize; i++){
18     dynamicArray[i] = i + 1;
19 }
20
21 for(int i = 0; i < newSize; i++){
22     cout << dynamicArray[i] << " ";
23 }
24
25 free(dynamicArray);
26 }
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Code + - - - - -
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> .\prog2
1 2 3 4 5 1 2 3 4 5 6 7 8
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2>
```

Program 3

```
File Edit Selection View Go Run ...
Q Strukdat

EXPLORER
OPEN EDITORS
  Prog4.cpp Hari 2
  Prog3.cpp Hari 2
  Prog2.cpp Hari 2
  Prog5.cpp Hari 2
STRUKDAT
  .vscode
  settings.json
  Hari 1
  Hari 2
    Prog1.cpp
    Prog1.exe
    Prog2.cpp
    Prog2.exe
    Prog3.cpp
    Prog3.exe
    Prog4.cpp
    Prog4.exe
    Prog5.cpp
    Prog5.exe
    tes.cpp
    tes.exe
  OUTLINE
  TIMELINE

main*
Ln 35, Col 6 Spaces: 4 UTF-8 CRLF {} C++ Go Live Win32
```

```
10 // for(i=0;i<n;i++){
11 //   a[i] = rand()%10;
12 //   b[n-i-1] = a[i];
13 // }
14
15 int *helpA = a;
16 int *helpB = b + n - 1;
17 for(i=0;i<n;i++){
18   *helpA = rand()%10;
19   *helpB = *helpA;
20   helpA++;
21   helpB--;
22 }
23
24 helpA = a;
25 helpB = b;
```

```
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> .\prog2
1 2 3 4 5 1 2 3 4 5 6 7 8
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> .\prog3
5
1 7 4 0 9
9 0 4 7 1
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2>
```

Program 4

```
File Edit Selection View Go Run ...
Q Strukdat

EXPLORER
OPEN EDITORS
  Prog4.cpp Hari 2
  Prog3.cpp Hari 2
  Prog2.cpp Hari 2
  Prog5.cpp Hari 2
STRUKDAT
  .vscode
  settings.json
  Hari 1
  Hari 2
    Prog1.cpp
    Prog1.exe
    Prog2.cpp
    Prog2.exe
    Prog3.cpp
    Prog3.exe
    Prog4.cpp
    Prog4.exe
    Prog5.cpp
    Prog5.exe
    tes.cpp
    tes.exe
  OUTLINE
  TIMELINE

main*
Ln 17, Col 1 Spaces: 4 UTF-8 CRLF {} C++ Go Live Win32
```

```
1 #include<bits/stdc++.h>
2 using namespace std;
3
4 int *getValues(){
5   int *arr = (int *) malloc(10 * sizeof(int));
6   for(int i = 0; i < 10; i++){
7     arr[i] = i + 1;
8   }
9   return arr;
10 }
11
12 int main(){
13   int *array = getValues();
14   for(int i = 0; i < 10; i++){
15     cout << *(array + i) << endl;
16   }
17 }
```

```
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> g++ prog4.cpp -o prog4
PS D:\User\Documents\Kode\KULIAH ILKOM\Strukdat\Hari 2> .\prog4
1
2
3
4
5
6
7
8
```

Program 5

