

Praktikum

Praktikum 1

```
seventh > G praktikum1.cpp U x C praktikum2.c U G praktikum3.cpp U G postTest1.cpp U
1  #include <iostream>
2
3  using namespace std;
4
5  void tampilkanArray (int array[], int ukuran) {
6      for (int i = 0; i < ukuran; i++)
7          cout << "elemen ke-" << i << ": " << array[i] << endl;
8  }
9
10 }
11
12 float hitungRataRata(int array[], int ukuran) {
13     int total = 0;
14     for (int i = 0; i < ukuran; i++)
15     {
16         total += array[i];
17     }
18
19     return total / ukuran;
20 }
21
22 int main () {
23     int nilai[] = {10, 20, 30, 40, 50};
24     int ukuran = sizeof(nilai) / sizeof(nilai[0]);
25
26     cout << "nilai dalam array: " << endl;
27     tampilkanArray(nilai, ukuran);
28
29     float rataRata = hitungRataRata(nilai, ukuran);
30     cout << "rata-rata: " << rataRata << endl;
31 }
```

```
nilai dalam array:
elemen ke-0: 10
elemen ke-1: 20
elemen ke-2: 30
elemen ke-3: 40
elemen ke-4: 50
rata-rata: 30
```

Praktikum2

```

seventh > C praktikum2.c > print_array(int [2][3])
1  #include <stdio.h>
2
3  void print_array(int a[2][3]) {
4      int i, j;
5      for ( i = 0; i < 2; i++)
6      {
7          for ( j = 0; j < 3; j++)
8              printf("%2d", a[i][j]);
9              printf("\n");
10
11      }
12  }
13
14
15  int main () {
16      int arr[2][3], i, j;
17      printf("ketik 6 bilangan : \n");
18      for ( i = 0; i < 2; i++)
19      {
20          for ( j = 0; j < 3; j++)
21          {
22              scanf("%d", &arr[i][j]);
23              print_array(arr);
24              return 0;
25          }
26      }
27  }

```

```

ketik 6 bilangan :
123456
123456
0
42
0
208586185
-36392802

```

Praktikum3

```

seventh > g++ praktikum3.cpp > main()
1  #include <iostream>
2
3  using namespace std;
4
5  void ubahNilaiArray(int array[], int ukuran) {
6      for (int i = 0; i < ukuran; i++)
7      {
8          array[i] = array[i] * 2;
9      }
10 }
11
12 int main () {
13     int nilai[] = {5, 10, 15, 20};
14     int ukuran = sizeof(nilai) / sizeof(nilai[0]);
15
16     cout << "nilai sebelum dirubah: ";
17     for (int i = 0; i < ukuran; i++)
18     {
19         cout << nilai[i] << " ";
20     }
21     cout << endl;
22
23     ubahNilaiArray(nilai, ukuran);
24     cout << "nilai setelah dirubah: ";
25     for (int i = 0; i < ukuran; i++)
26     {
27         cout << nilai[i] << " ";
28     }
29     cout << endl;
30
31     return 0;
32
33 }

```

```

nilai sebelum dirubah: 5 10 15 20
nilai setelah dirubah: 10 20 30 40

```

postTest

postTest1

```
seventh > postTest1.cpp > findMax(int [], int)
1  #include <iostream>
2
3  using namespace std;
4
5  int findMax (int arr[], int size) {
6      int maxVal = arr[0];
7      for (int i = 0; i < size; i++)
8      {
9          if (arr[i] > maxVal)
10         {
11             maxVal = arr[i];
12         }
13     }
14
15     return maxVal;
16 }
17
18 int findMin (int arr[], int size) {
19     int minVal = arr[0];
20     for (int i = 0; i < size; i++)
21     {
22         if (arr[i] < minVal)
23         {
24             minVal = arr[i];
25         }
26     }
27
28     return minVal;
29 }
30
```

```
31 int main () {
32     int number[5], size;
33
34     size = sizeof(number) / sizeof(number[0]);
35     for (int i = 0; i < size; i++)
36     {
37         cout << "masukan nilai ke-" << i << " : ";
38         cin >> number[i];
39     }
40
41     cout << "nilai terbesar: " << findMax(number, size) << endl;
42     cout << "nilai terkecil: " << findMin(number, size) << endl;
43
44 }
```

```
masukan nilai ke-0 : 1
masukan nilai ke-1 : 2
masukan nilai ke-2 : 3
masukan nilai ke-3 : 4
masukan nilai ke-4 : 5
nilai terbesar: 5
nilai terkecil: 1
```

postTest2

```
seventh > G postTest2.cpp > main()
1  #include <iostream>
2
3  using namespace std;
4
5  void balikArray(int arr[], int size) {
6      for (int i = 4; i >= 0; i--)
7      {
8          cout << arr[i] << " ";
9      }
10 }
11
12 int main () {
13     int number[5], size;
14
15     size = sizeof(number) / sizeof(number[0]);
16     for (int i = 0; i < size; i++)
17     {
18         cout << "masukan nilai ke-" << i << " : ";
19         cin >> number[i];
20     }
21
22     cout << "nilai sebelum dirubah: ";
23     for (int i = 0; i < size; i++)
24     {
25         cout << number[i] << " ";
26     }
27
28     cout << "nilai setelah dirubah: ";
29     balikArray(number, size);
30     return 0;
31
32 }
```

```
masukan nilai ke-0 : 1
masukan nilai ke-1 : 2
masukan nilai ke-2 : 3
masukan nilai ke-3 : 4
masukan nilai ke-4 : 5
nilai sebelum dirubah: 1 2 3 4 5 nilai setelah dirubah: 5 4 3 2 1
```