

Muhammad Jiwa Islamutidar

01TPLP041

Algoritma Dan Pemrograman 1

Pertemuan 7

Latihan 1 (C++)

The screenshot shows a code editor and a terminal window. The code in the editor is:

```
1 // Muhammad Jiwa Islamutidar
2 // 01TPLP041
3 // Pertemuan 7
4
5
6 #include <iostream>
7 using namespace std;
8
9 main () {
10     int nilai;
11     cout << "masukan sebuah nilai :";
12     cin >> nilai;
13
14     if(nilai>80){
15         cout << "lulus" << endl;
16     }else {
17         cout << "tidak lulus" << endl;
18
19         cout << "masukan sebuah nilai :" << endl ;
20         cin >> nilai;
21
22     if(nilai>80){
23         cout << "lulus" << endl;
24     }else {
25         cout << "tidak lulus"; }
```

The terminal window shows the execution of the program:

```
masukan sebuah nilai :70
tidak lulus
masukan sebuah nilai :
90
lulus

-----
Process exited after 3.342 seconds with return value 0
Press any key to continue . . . |
```

Latihan 2 (C)

The screenshot shows a code editor and a terminal window. The code in the editor is:

```
1 // Muhammad Jiwa Islamutidar
2 // 01TPLP041
3 // Pertemuan 7
4
5
6 #include <iostream>
7 using namespace std;
8
9 main(){
10     int nilai;
11     printf("masukan nilai : ");
12     scanf("%d", &nilai);
13     if(nilai > 70){
14         printf("lulus\n");
15     }else {
16         printf("tidak lulus\n");
17
18         printf("masukan nilai : ");
19         scanf("%d", &nilai);
20     if(nilai > 70){
21         printf("lulus\n");
22     }else {
23         printf("tidak lulus");
24     }
25 }
```

The terminal window shows the execution of the program:

```
masukan nilai : 85
lulus
masukan nilai : 55
tidak lulus

-----
Process exited after 7.648 seconds with return value 0
Press any key to continue . . . |
```

Latihan 3 (C++)

The screenshot shows a code editor with a C++ file named 'pertemuan_7.cpp'. The code prompts the user to enter a number, then calculates and prints the result based on whether it's greater than or less than 50. The output window shows two runs of the program. In the first run, a value of 60 is entered, resulting in an output of 70. In the second run, a value of 40 is entered, resulting in an output of 65.

```
1 // Muhammad Jiwa Islamutidar
2 // 01TPLP041
3 // Pertemuan 7
4
5 #include <iostream>
6 using namespace std;
7
8 main () {
9     int angka;
10    cout << "masukan sebuah angka : ";
11    cin >> angka;
12    if(angka > 50){
13        n = angka + 10;
14        cout << "jika nilai lebih dari 50 adalah ";
15        cout << n << endl;
16    }else {
17        n = angka + 25;
18        cout << "jika nilai kurang dari 50 adalah ";
19        cout << n << endl;
20        cout << "masukan sebuah angka : ";
21        cin >> angka;
22    if(angka > 50){
23        n = angka + 10;
24        cout << "jika nilai lebih dari 50 adalah ";
25        cout << n << endl;
26    }else {
27        n = angka + 25;
28        cout << "jika nilai kurang dari 50 adalah ";
29        cout << n;
30    }
31 }
```

```
masukan sebuah angka : 60
jika nilai lebih dari 50 adalah 70
masukan sebuah angka : 40
jika nilai kurang dari 50 adalah 65
-----
Process exited after 6.755 seconds with return value 0
Press any key to continue . . . |
```

Latihan 4 (C)

The screenshot shows a code editor with a C file named 'pertemuan_7.c'. The code prompts the user to enter a number, then calculates and prints the result based on whether it's greater than or less than 50. The output window shows two runs of the program. In the first run, a value of 20 is entered, resulting in an output of 45. In the second run, a value of 87 is entered, resulting in an output of 97.

```
1 // Muhammad Jiwa Islamutidar
2 // 01TPLP041
3 // Pertemuan 7
4
5 #include <iostream>
6 using namespace std;
7
8 main(){
9     int n;
10    printf("masukan nilai : ");
11    scanf("%d", &n);
12    if(n > 50){
13        printf("jika di atas 50 : %d\n", n+10);
14    }else {
15        printf("jika di bawah 50 : %d\n", n+25);
16    }
17    printf("masukan nilai : ");
18    scanf("%d", &n);
19    if(n > 50){
20        printf("jika di atas 50 : %d\n", n+10);
21    }else {
22        printf("jika di bawah 50 : %d", n+25);
23    }
24 }
```

```
masukan nilai : 20
jika di bawah 50 : 45
masukan nilai : 87
jika di atas 50 : 97
-----
Process exited after 5.623 seconds with return value 0
Press any key to continue . . . |
```

Latihan 5 (C++)

The screenshot shows a code editor with a C++ file named 'pertemuan_7.cpp'. The code prompts the user to enter two numbers, 'a' and 'b'. It then calculates and prints the result based on the values of 'a' and 'b'. The output window shows two runs of the program. In the first run, 'a' is 35 and 'b' is 45, resulting in an output of 45. In the second run, 'a' is 80 and 'b' is 90, resulting in an output of 90.

```
1 // Muhammad Jiwa Islamutidar
2 // 01TPLP041
3 // Pertemuan 7
4
5 #include <iostream>
6 using namespace std;
7
8 main () {
9     int a, b;
10    cout << "masukan sebuah nilai : ";
11    cin >> a;
12    if(a>50){
13        b=a+10;
14        cout << "maka hasilnya : ";
15        cout << b << endl;
16    }else {
17        b=a+10;
18        cout << "maka hasilnya : ";
19        cout << b << endl;
20    cout << "masukan sebuah nilai : ";
21    cin >> b;
22    if(b>50){
23        b=b+10;
24        cout << "maka hasilnya : ";
25        cout << b << endl;
26    }else {
27    }
28 }
```

```
masukan sebuah nilai :35
maka hasilnya : 45
masukan sebuah nilai :80
maka hasilnya : 90
-----
Process exited after 7.389 seconds with return value 0
Press any key to continue . . . |
```

Latihan 6 (C)

The screenshot shows a code editor and a terminal window. The code editor contains a C program with comments and code logic. The terminal window shows the execution of the program, including user input and the resulting output.

```
1 // Muhammad Jiwa Islamutidar
2 // 01TPLP041
3 // Pertemuan 7
4
5 #include <iostream>
6 using namespace std;
7
8 main(){
9     int n;
10    printf("masukan nilai : ");
11    scanf("%d", &n);
12    if(n > 50){
13        printf("jika di atas 50 : %d\n", n+10);
14    }else {
15        printf("jika di bawah 50 : %d\n", n+10);
16    }
17    printf("masukan nilai : ");
18    scanf("%d", &n);
19    if(n > 50){
20        printf("jika di atas 50 : %d\n", n+10);
21    }else {
22        printf("jika di bawah 50 : %d\n", n+10);
23    }
24 }
```

```
masukan nilai : 80
jika di atas 50 : 90
masukan nilai : 30
jika di bawah 50 : 40
-----
Process exited after 3.501 seconds with return value 0
Press any key to continue . . . |
```