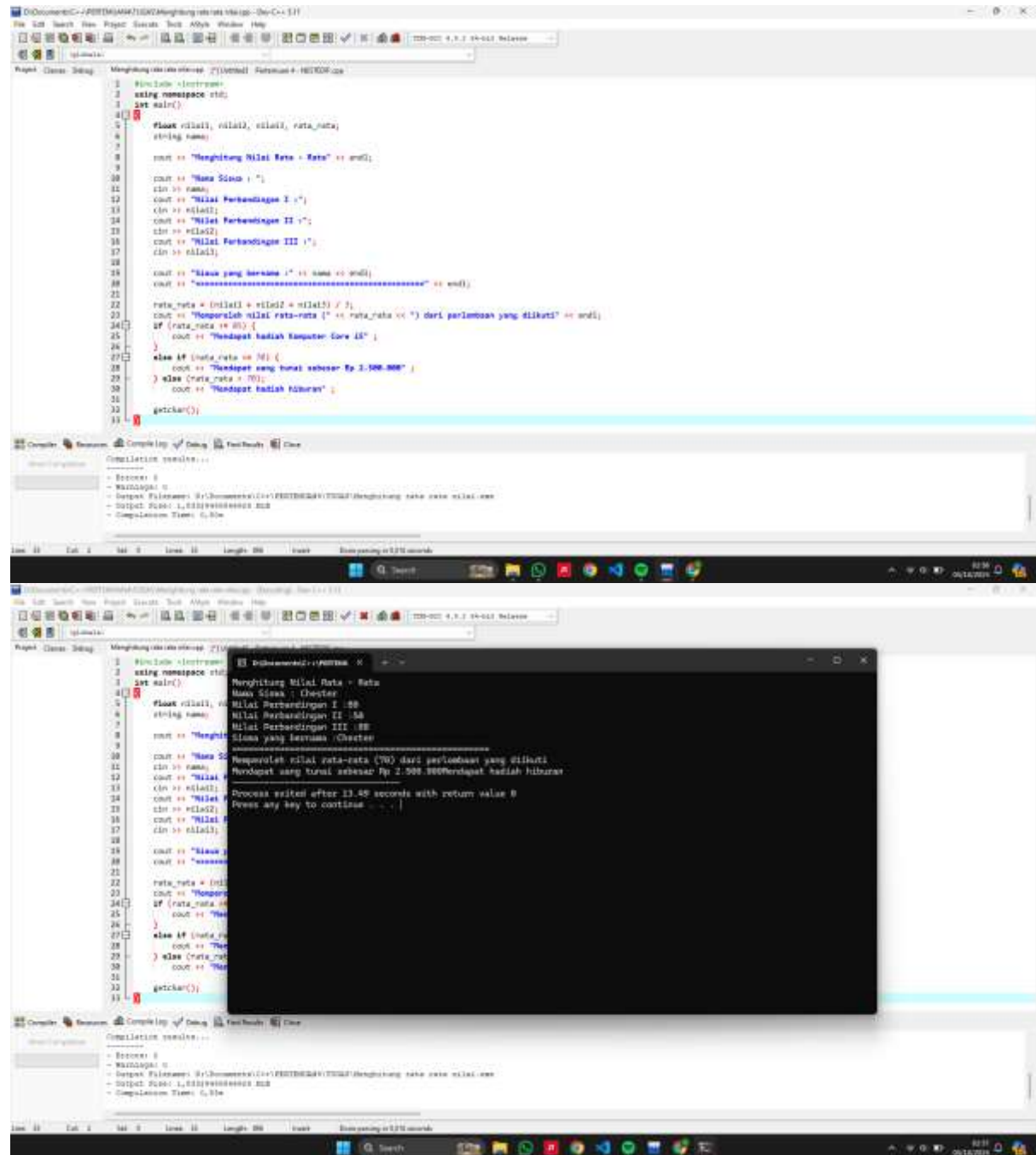


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IF ELSE



The image displays two screenshots of a C++ development environment, likely Visual Studio Code, showing the implementation of an 'IF ELSE' statement for calculating an average rate and determining a bonus.

Top Screenshot: Source Code

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     float r1, r2, r3, r4, rata_rata;
6     string nama;
7
8     cout << "Menghitung Nilai Rata - Rata" << endl;
9
10    cout << "Nama Siswa : ";
11    cin >> nama;
12    cout << "Nilai Perbandingan I : ";
13    cin >> r1;
14    cout << "Nilai Perbandingan II : ";
15    cin >> r2;
16    cout << "Nilai Perbandingan III : ";
17    cin >> r3;
18
19    cout << "Siswa yang bernama " << nama << endl;
20    cout << "===== " << endl;
21
22    rata_rata = (r1 + r2 + r3) / 3;
23    cout << "Rendahnya nilai rata-rata (" << rata_rata << ") dari perbandingan yang diikuti" << endl;
24
25    if (rata_rata < 70) {
26        cout << "Mendapat hadiah komputer Core i3" << endl;
27    }
28    else if (rata_rata < 75) {
29        cout << "Mendapat uang tunai sebesar Rp 2.500.000" << endl;
30    }
31    else (rata_rata < 70);
32    cout << "Mendapat hadiah liburan" << endl;
33
34    getch();
35 }
```

Bottom Screenshot: Program Execution

The program is executed, and the output is displayed in a console window:

```
Menghitung Nilai Rata - Rata
Nama Siswa : Cheyter
Nilai Perbandingan I : 88
Nilai Perbandingan II : 58
Nilai Perbandingan III : 88
Siswa yang bernama Cheyter
=====
Rendahnya nilai rata-rata (78) dari perbandingan yang diikuti
Mendapat uang tunai sebesar Rp 2.500.000
Mendapat hadiah liburan
Process exited after 13.45 seconds with return value 0
Press any key to continue . . .
```

NESTED IF

The image shows a C++ IDE with a source code editor and a console window. The source code is as follows:

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     float nilai1, nilai2, nilai3, rata_rata;
6     string nama;
7
8     cout << "Menghitung Nilai Rata - Rata" << endl;
9
10    cout << "Nama Siswa : ";
11    cin >> nama;
12    cout << "Nilai Perbandingan I : ";
13    cin >> nilai1;
14    cout << "Nilai Perbandingan II : ";
15    cin >> nilai2;
16    cout << "Nilai Perbandingan III : ";
17    cin >> nilai3;
18
19    cout << "Siswa yang bernama " << nama << endl;
20    cout << "===== " << endl;
21
22    rata_rata = (nilai1 + nilai2 + nilai3) / 3;
23    cout << "Menghitung nilai rata-rata (" << rata_rata << ") dari perlombaan yang diikuti" << endl;
24    if (rata_rata < 90) {
25        cout << "Mendapat hadiah Komputer Core i5" << endl;
26    }
27    else {
28        if (rata_rata < 70) {
29            cout << "Mendapat uang tunai sebesar Rp 2.500.000" << endl;
30        }
31        else {
32            cout << "Mendapat hadiah sepeda" << endl;
33        }
34    }
35 }
```

The console window shows the following output:

```
Menghitung Nilai Rata - Rata
Nama Siswa : Ramesh
Nilai Perbandingan I : 90
Nilai Perbandingan II : 80
Nilai Perbandingan III : 90
Siswa yang bernama : Ramesh
=====
Menghitung nilai rata-rata (90) dari perlombaan yang diikuti
Mendapat hadiah Komputer Core i5
Process exited after 0.006 seconds with return value 0
Press any key to continue . . .
```

SWITCH CASE

The image shows two screenshots of a C++ IDE (Visual Studio Code) with a Windows taskbar at the bottom.

Top Screenshot: The code editor shows a file named `hitungrata-rata.cpp`. The code is as follows:

```
1 #include <iostream>
2 using namespace std;
3 int main ()
4 {
5     int x1, x2, x3, x4, rata_rata;
6     string nama;
7
8     cout << "Menghitung Nilai Rata - Rata" << endl;
9
10    cout << "Nama Siswa : ";
11    cin >> nama;
12    cout << "Nilai Perbandingan I : ";
13    cin >> x1;
14    cout << "Nilai Perbandingan II : ";
15    cin >> x2;
16    cout << "Nilai Perbandingan III : ";
17    cin >> x3;
18
19    rata_rata = (x1 + x2 + x3) / 3;
20    cout << "Rata-rata nilai rata-rata (R) dari perbandingan yang dihitung" << endl;
21
22    switch (rata_rata) {
23        case 0 ... 50 :
24            cout << "Hasil nilai siswa";
25            break;
26        case 51 ... 60 :
27            cout << "Hasil nilai siswa";
28            break;
29        case 61 ... 70 :
30            cout << "Hasil nilai siswa";
31            break;
32        case 71 ... 80 :
33            cout << "Hasil nilai siswa";
34            break;
35        case 81 ... 90 :
36            cout << "Hasil nilai siswa";
37            break;
38        case 91 ... 100 :
39            cout << "Hasil nilai siswa";
40            break;
41    }
42    return 0;
43 }
```

Bottom Screenshot: The code editor shows a file named `hitungrata-rata.cpp`. The code is as follows:

```
1 #include <iostream>
2 using namespace std;
3 int main ()
4 {
5     int x1, x2, x3, x4, rata_rata;
6     string nama;
7
8     cout << "Menghitung Nilai Rata - Rata" << endl;
9
10    cout << "Nama Siswa : ";
11    cin >> nama;
12    cout << "Nilai Perbandingan I : ";
13    cin >> x1;
14    cout << "Nilai Perbandingan II : ";
15    cin >> x2;
16    cout << "Nilai Perbandingan III : ";
17    cin >> x3;
18
19    rata_rata = (x1 + x2 + x3) / 3;
20    cout << "Rata-rata nilai rata-rata (R) dari perbandingan yang dihitung" << endl;
21
22    switch (rata_rata) {
23        case 0 ... 50 :
24            cout << "Hasil nilai siswa";
25            break;
26        case 51 ... 60 :
27            cout << "Hasil nilai siswa";
28            break;
29        case 61 ... 70 :
30            cout << "Hasil nilai siswa";
31            break;
32        case 71 ... 80 :
33            cout << "Hasil nilai siswa";
34            break;
35        case 81 ... 90 :
36            cout << "Hasil nilai siswa";
37            break;
38        case 91 ... 100 :
39            cout << "Hasil nilai siswa";
40            break;
41    }
42    return 0;
43 }
```

The output window shows the following text:

```
Menghitung Nilai Rata - Rata
Nama Siswa : Kiell
Nilai Perbandingan I : 98
Nilai Perbandingan II : 95
Nilai Perbandingan III : 95
Rata-rata nilai rata-rata (R) dari perbandingan yang dihitung
Hasil nilai siswa
Process ended after 10.00 seconds with return value 0
Press any key to continue . . .
```

Tanggal dan waktu pengerjaan

