

JAWABAN PRA UAS ALGORITMA & PEMROGRAMAN



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PRODI : SISTEM INFORMASI

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Pseudocode

```
#include <iostream>

using namespace std;

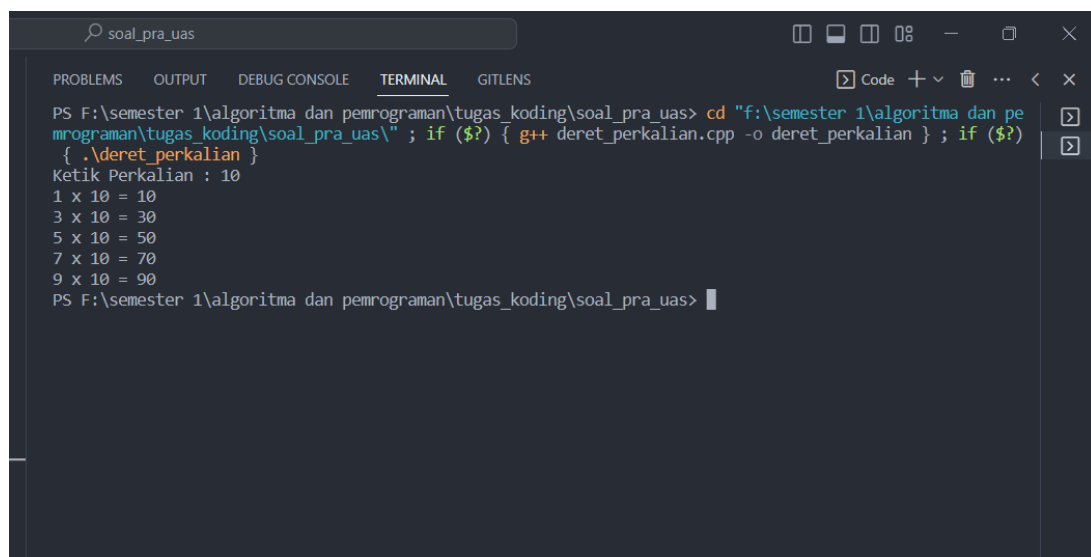
int main(int argc, char const *argv[])
{
    int i, y, hasil = 0;

    cout << "Ketik Perkalian : ";
    cin >> y;

    for (int i = 1; i <= y; i++)
    {
        if (i % 2 != 0)
        {
            hasil = i * y;
            cout << i << " x " << y << " = " << hasil << "\n";
        }
    }

    return 0;
}
```

Output



```
soal_pra_uas

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS
PS F:\semester 1\algorithm dan pemrograman\tugas_koding\soal_pra_uas> cd "f:\semester 1\algorithm dan pemrograman\tugas_koding\soal_pra_uas" ; if ($?) { g++ deret_perkalian.cpp -o deret_perkalian } ; if ($?) { .\deret_perkalian }
Ketik Perkalian : 10
1 x 10 = 10
3 x 10 = 30
5 x 10 = 50
7 x 10 = 70
9 x 10 = 90
PS F:\semester 1\algorithm dan pemrograman\tugas_koding\soal_pra_uas>
```

```

#include <iostream>

using namespace std;

int main()
{
    int kd_kue, jum_kue, harga, dis, tot_har;
    double tot_bar;
    char nama[50];
    string nm_kue;

    cout << "===== Daftar Menu =====" << "\n";
    cout << "1. Bolu Black Florest" << "\n";
    cout << "2. Cup Cake" << "\n";
    cout << "3. Banana Cake" << "\n";
    cout << "4. Strawberry Cake" << "\n";

    cout << "\n";

    cout << "===== Data Pembeli =====" << "\n";
    cout << "Nama Pembeli      : ";
    gets(nama);
    cout << "Kode Kue [1/2/3/4] : ";
    cin >> kd_kue;
    cout << "Jumlah Kue      : ";
    cin >> jum_kue;

    cout << "\n";

    cout << "===== Struk Pembayaran =====" << "\n";
    switch (kd_kue)
    {
    case 1:
        harga = 50000;
        nm_kue = "Bolu Black Florest";
        tot_har = jum_kue * harga;
        cout << "Nama Pembeli : " << nama << "\n";
        cout << "Kode Kue      : " << kd_kue << "\n";
        cout << "Nama Kue       : " << nm_kue << "\n";
        cout << "Harga Kue      : " << "Rp." << harga << "\n";
        cout << "Jumlah Kue     : " << jum_kue << " Buah" << "\n";
        cout << "Total Harga    : " << "Rp." << tot_har << "\n";
        cout << "===== " << "\n";

        if (jum_kue > 20)
        {
            dis = 0.2 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else if (jum_kue > 10) {
            dis = 0.05 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else {
            cout << "Total Bayar    : Rp." << tot_har;
        }
        break;
    case 2:
        harga = 40000;
        nm_kue = "Cup Cake";
        tot_har = jum_kue * harga;
        cout << "Nama Pembeli : " << nama << "\n";
        cout << "Kode Kue      : " << kd_kue << "\n";
        cout << "Nama Kue       : " << nm_kue << "\n";
        cout << "Harga Kue      : " << "Rp." << harga << "\n";
        cout << "Jumlah Kue     : " << jum_kue << " Buah" << "\n";
        cout << "Total Harga    : " << "Rp." << tot_har << "\n";
        cout << "===== " << "\n";

        if (jum_kue > 20)
        {
            dis = 0.2 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else if (jum_kue > 10) {
            dis = 0.05 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else {
            cout << "Total Bayar    : Rp." << tot_har;
        }
        break;
    case 3:
        harga = 25000;
        nm_kue = "Banana Cake";
        tot_har = jum_kue * harga;
        cout << "Nama Pembeli : " << nama << "\n";
        cout << "Kode Kue      : " << kd_kue << "\n";
        cout << "Nama Kue       : " << nm_kue << "\n";
        cout << "Harga Kue      : " << "Rp." << harga << "\n";
        cout << "Jumlah Kue     : " << jum_kue << " Buah" << "\n";
        cout << "Total Harga    : " << "Rp." << tot_har << "\n";
        cout << "===== " << "\n";

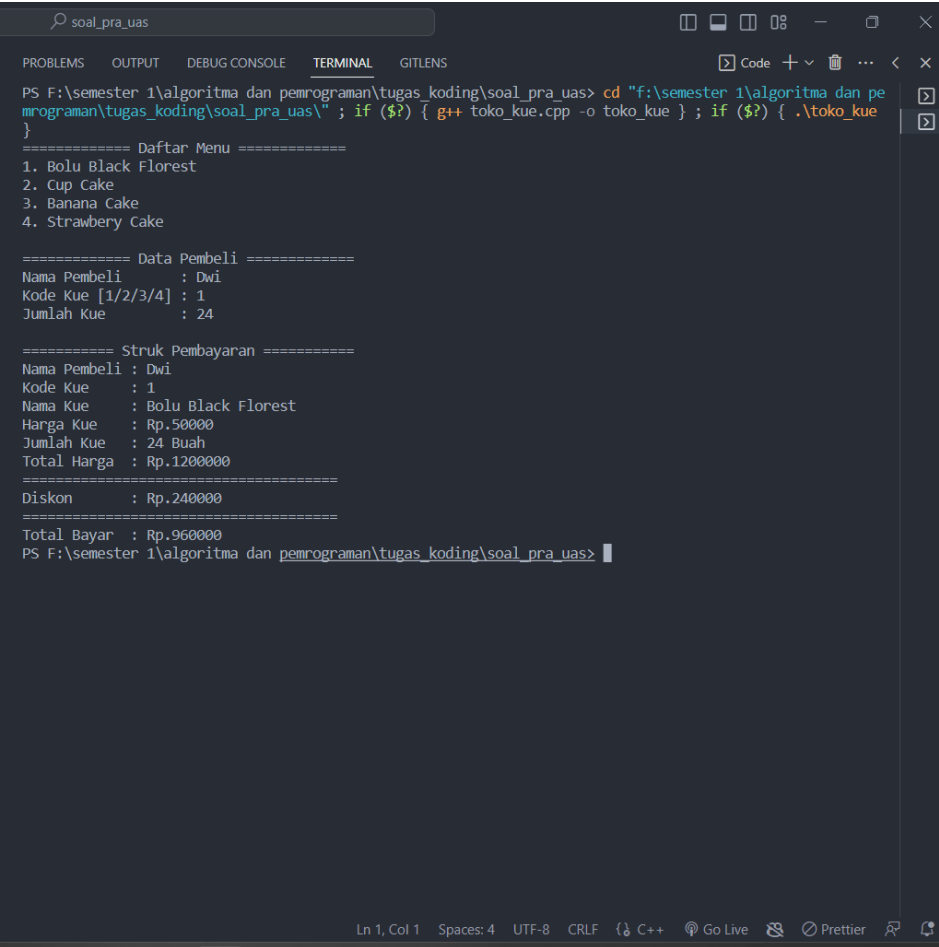
        if (jum_kue > 20)
        {
            dis = 0.2 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else if (jum_kue > 10) {
            dis = 0.05 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else {
            cout << "Total Bayar    : Rp." << tot_har;
        }
        break;
    case 4:
        harga = 30000;
        nm_kue = "Strawbery Cake";
        tot_har = jum_kue * harga;
        cout << "Nama Pembeli : " << nama << "\n";
        cout << "Kode Kue      : " << kd_kue << "\n";
        cout << "Nama Kue       : " << nm_kue << "\n";
        cout << "Harga Kue      : " << "Rp." << harga << "\n";
        cout << "Jumlah Kue     : " << jum_kue << " Buah" << "\n";
        cout << "Total Harga    : " << "Rp." << tot_har << "\n";
        cout << "===== " << "\n";

        if (jum_kue > 20)
        {
            dis = 0.2 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else if (jum_kue > 10) {
            dis = 0.05 * tot_har;
            cout << "Diskon          : " << "Rp." << dis << "\n";
            cout << "===== " << "\n";
            tot_bar = (tot_har - dis);
            cout << "Total Bayar    : Rp." << tot_bar;
        } else {
            cout << "Total Bayar    : Rp." << tot_har;
        }
        break;
    default:
        cout << "          Kode tidak di temukan !          " << "\n";
        cout << "===== " << "\n";
        break;
    }

    return 0;
}

```

Output Jika Pembelian Lebih Dari 20



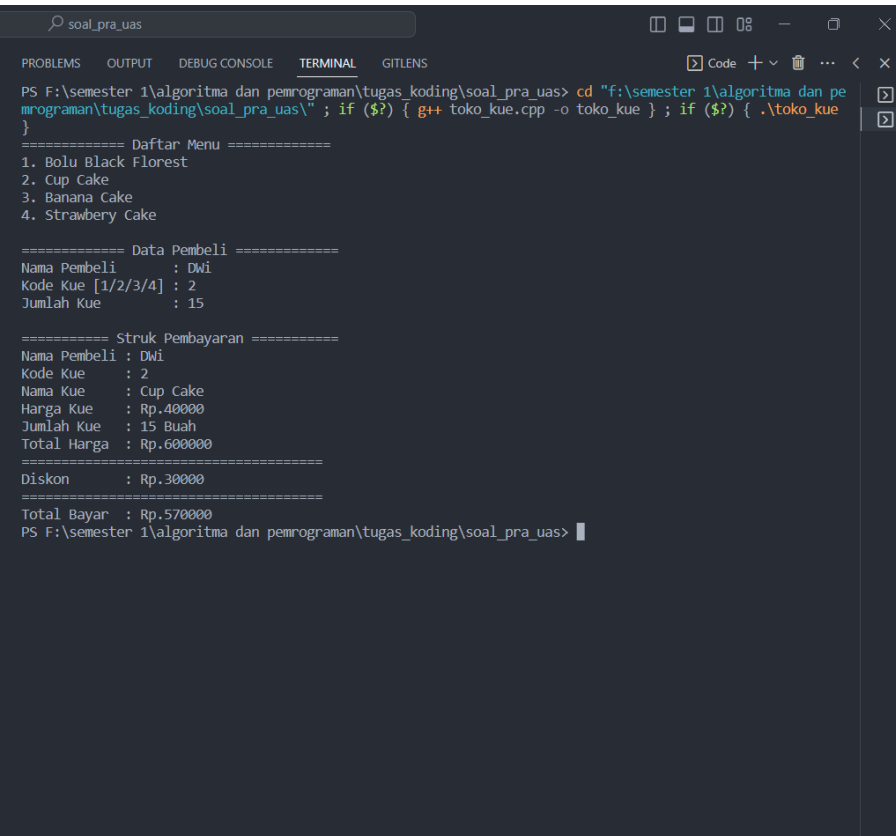
```
soal_pra_uas
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS
PS F:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas> cd "f:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas\" ; if ($?) { g++ toko_kue.cpp -o toko_kue } ; if ($?) { .\toko_kue }
}
===== Daftar Menu =====
1. Bolu Black Florest
2. Cup Cake
3. Banana Cake
4. Strawberry Cake

===== Data Pembeli =====
Nama Pembeli : Dwi
Kode Kue [1/2/3/4] : 1
Jumlah Kue : 24

===== Struk Pembayaran =====
Nama Pembeli : Dwi
Kode Kue : 1
Nama Kue : Bolu Black Florest
Harga Kue : Rp.50000
Jumlah Kue : 24 Buah
Total Harga : Rp.1200000

=====
Diskon : Rp.240000
=====
Total Bayar : Rp.960000
PS F:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas>
```

Output Jika Pembelian Lebih Dari 10



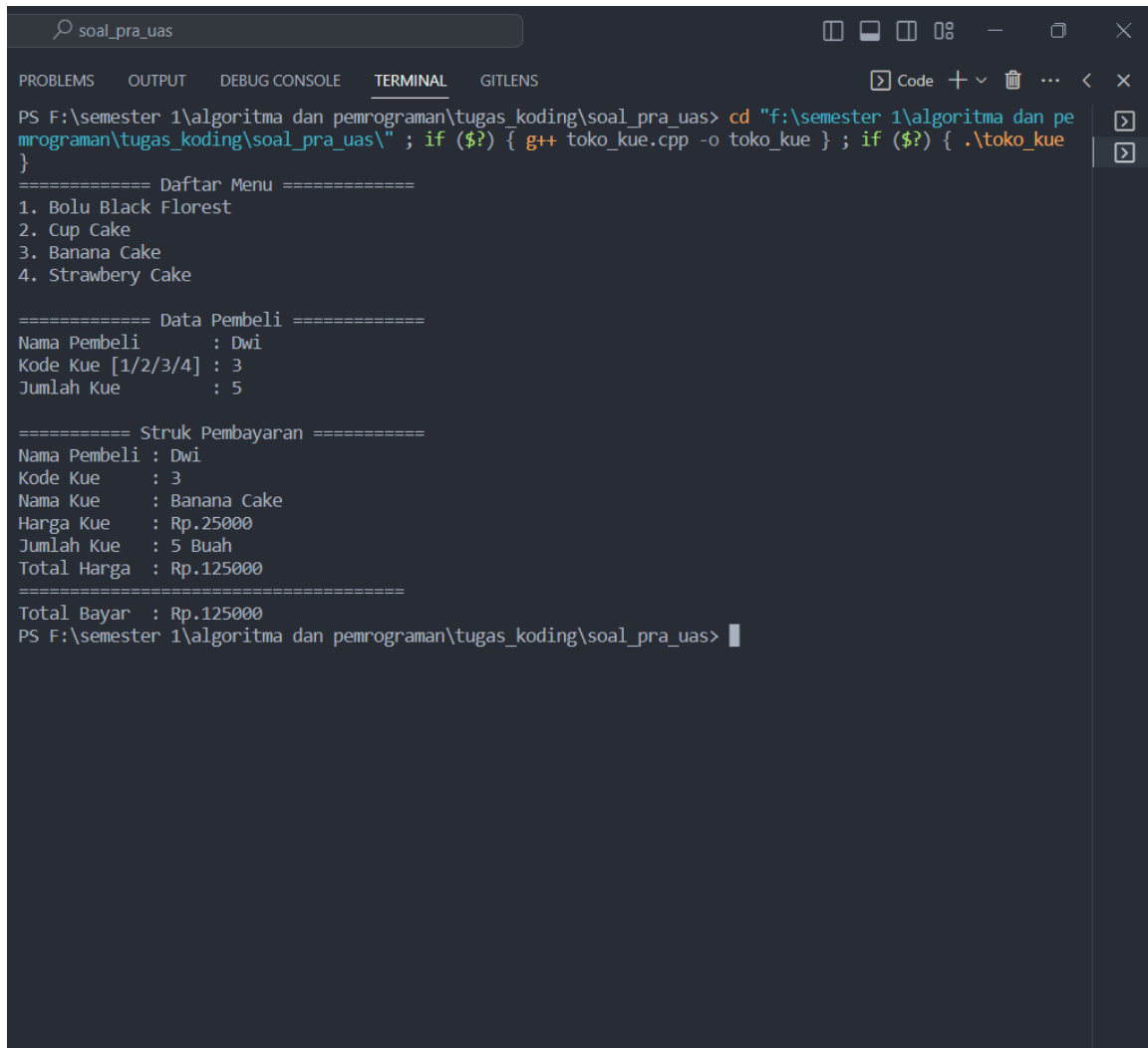
```
soal_pra_uas
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS
PS F:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas> cd "f:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas\" ; if ($?) { g++ toko_kue.cpp -o toko_kue } ; if ($?) { .\toko_kue }
}
===== Daftar Menu =====
1. Bolu Black Florest
2. Cup Cake
3. Banana Cake
4. Strawberry Cake

===== Data Pembeli =====
Nama Pembeli : Dwi
Kode Kue [1/2/3/4] : 2
Jumlah Kue : 15

===== Struk Pembayaran =====
Nama Pembeli : Dwi
Kode Kue : 2
Nama Kue : Cup Cake
Harga Kue : Rp.40000
Jumlah Kue : 15 Buah
Total Harga : Rp.600000

=====
Diskon : Rp.30000
=====
Total Bayar : Rp.570000
PS F:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas>
```

Output Jika Pembelian Kurang Dari 10



```
soal_pra_uas
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS
PS F:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas> cd "f:\semester 1\algoritma dan pe
mrograman\tugas_koding\soal_pra_uas\" ; if ($?) { g++ toko_kue.cpp -o toko_kue } ; if ($?) { .\toko_kue
}
===== Daftar Menu =====
1. Bolu Black Florest
2. Cup Cake
3. Banana Cake
4. Strawberry Cake

===== Data Pembeli =====
Nama Pembeli      : Dwi
Kode Kue [1/2/3/4] : 3
Jumlah Kue        : 5

===== Struk Pembayaran =====
Nama Pembeli : Dwi
Kode Kue     : 3
Nama Kue     : Banana Cake
Harga Kue    : Rp.25000
Jumlah Kue   : 5 Buah
Total Harga  : Rp.125000
=====
Total Bayar   : Rp.125000
PS F:\semester 1\algoritma dan pemrograman\tugas_koding\soal_pra_uas> 
```