

Nama : Yohanes Dimas Pratama
NIM : A11.2021.13254
Kelompok : 4207

Tugas Algoritma dan Pemrograman Minggu 4

Coding:

```
#include <iostream>
```

```
using namespace std;
```

```
void print_identitas();
```

```
void print_jumlah(int a, int b);
```

```
float hitung(int num1, int num2, char operan);
```

```
void print_nama(char nama[]);
```

```
int len_text(char text[]);
```

```
int max(int arr_num[], int n);
```

```
int main()
```

```
{
```

```
    print_identitas();
```

```
    print_jumlah(3, 12);
```

```
    print_jumlah(13, 19);
```

```
    float hasil;
```

```
    printf("%d %c %d = %2.2f\n", 12, '+', 15, hasil);
```

```
    hasil = hitung(12,15,'-');
```

```
    printf("%d %c %d = %2.2f\n", 12, '-', 15, hasil);
```

```
    hasil = hitung(12,15,'x');
```

```
    printf("%d %c %d = %2.2f\n", 12, 'x', 15, hasil);
```

```
    hasil = hitung(12,15,'/');
```

```
    printf("%d %c %d = %2.2f\n", 12, '/', 15, hasil);
```

```

    print_nama("Yohanes Dimas Pratama");

    printf("panjang teks \"%s\" adalah %d karakter\n", "Yohanes Dimas Pratama", len_text("Yohanes Dimas Pratama"));

    int arr_num[] = {23, 51, 22, 31, 61, 11, 32, 42};

    printf("Nilai tertinggi dari arr_num adalah %d", max(arr_num, 8));

    return 0;
}

```

```

void print_identitas() {
    cout << "=====" << endl;
    cout << "NIM : A11.2021.13254" << endl;
    cout << "Nama Lengkap : Yohanes Dimas Pratama" << endl;
    cout << "Alamat : Jalan Kokosan II nomor 126" << endl;
    cout << "=====" << endl;
}

```

```

void print_jumlah(int a, int b) {
    int jumlah;

    jumlah = a+b;

    cout << a << " + " << b << " = " << jumlah << endl;
}

```

```

float hitung(int num1, int num2, char operan) {
    if (operan == '+') {
        return num1+num2;
    } else if (operan == '-') {
        return num1-num2;
    }
}

```

```

    } else if (operan == 'x') {
        return num1*num2;
    } else if (operan == '/') {
        return num1/num2;
    } else {
        return 0;
    }
}

```

```

void print_nama(char nama[]) {
    cout << "Perkenalkan nama lengkap saya adalah : " << nama << endl;
}

```

```

int len_text(char text[]) {
    int jumlah=0;
    for (int i=0; text[i] != '\0'; i++) {
        jumlah++;
    }
    return jumlah;
}

```

```

int max(int arr_num[], int n) {
    int maxNum = 0;
    for (int i=0; i<n; i++) {
        if(arr_num[i] > maxNum) {
            maxNum = arr_num[i];
        }
    }
    return maxNum;
}

```

}

Hasil Coding:

```
D:\www\unani>
=====
NIM : A11.2021.13254
Nama Lengkap : Yohanes Dimas Pratama
Alamat : Jalan Kokosan II nomor 126
=====
3 + 12 = 15
13 + 19 = 32
12 + 15 = 0.00
12 - 15 = -3.00
12 x 15 = 180.00
12 / 15 = 0.00
Perkenalkan nama lengkap saya adalah : Yohanes Dimas Pratama
panjang teks "Yohanes Dimas Pratama" adalah 21 karakter
Nilai tertinggi dari arr_num adalah 61
Process returned 0 (0x0)   execution time : 0.028 s
Press any key to continue.
```