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Source Code :

```
#include<iostream>
using namespace std;

int main(){
    int angka[9] = {7,5,6,2,10,12,1,3,4};
    int a,b,c;
    bool tersedia = false;
    int awl,tjn,akhr;

    cout << "masukan angka yang di cari = ";
    cin >> a;

    for(int i = 0; i < 9; i++){
        b = i;
        for(int j = i+1; j < 10; j++){
            if(angka[b] > angka[j]){
                b = j;
            }
        }
        c = angka[b];
        angka[b] = angka[i];
        angka[i] = c;
    }

    awl = 0; akhr=8;
    do{
        tjn = (awl+akhr)/2;
        if(angka[tjn] > a){
            akhr = tjn-1;
        }else if(angka[tjn] < a){
            awl = tjn+1;
        }else{
            tersedia = true;
        }
    }while(tersedia == false && awl <= akhr);

    if (tersedia == true)
    {
        cout << "angka "<< a << " ditemukan" << endl;
    }else{
        cout << "angka "<< a << " tidak ditemukan" << endl;
    }

}
```

Hasil :



The screenshot shows a 'Run' window in a CMake IDE. The title bar indicates the file 'Pratikum_algo' is open. The main area displays the execution path 'D:\Aya_Kampus\Pratikum-algo\cmake-build-debug\Pratikum_algo.exe'. The program's output is shown in a monospaced font: 'masukan angka yang di cari = 10' (where '10' is green) followed by 'angka 10 ditemukan'. Below the output, it states 'Process finished with exit code 0'. On the left, a vertical toolbar contains icons for running, stepping through code, and other debugging actions. At the bottom, a status bar shows 'Build finished in 916 ms (35 minutes ago)' and a tabbed interface with 'Run' selected among other options like 'Git', 'Python Packages', 'TODO', 'CMake', 'Problems', 'Terminal', 'Messages', and 'Services'.

```
Run: Pratikum_algo x
D:\Aya_Kampus\Pratikum-algo\cmake-build-debug\Pratikum_algo.exe
masukan angka yang di cari = 10
angka 10 ditemukan
Process finished with exit code 0
Git Run Python Packages TODO CMake Problems Terminal Messages Services
Build finished in 916 ms (35 minutes ago)
```