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Kelas : TI 24 PA

Note : yang ketupat bolong, dibantu teman

- Tugas Perulangan 5 x 5

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

int main () {
    int a, b;

    for (a = 1; a <= 5; a++) {
        for (b = 1; b <= 5; b++) {
            cout << a << " ";
        }
        cout << endl;
    }
}
```

```
1 1 1 1 1
2 2 2 2 2
3 3 3 3 3
4 4 4 4 4
5 5 5 5 5

--------------------------------
Process exited after 3.79 seconds with return value 0
Press any key to continue . . .
```

- Tugas Perulangan Naik Turun

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

int main () {
    int a, b;

    cout << "Perulangan Naik" << endl;
    for (a = 1; a <= 10; a++) {
        cout << a << endl;
    }
    cout << endl;
    cout << "Perulangan Turun" << endl;
    for (b = 10; b >= 1; b--) {
        cout << b << endl;
    }
}
```

```
Perulangan Naik
1
2
3
4
5
6
7
8
9
10

Perulangan Turun
10
9
8
7
6
5
4
3
2
1

--------------------------------
Process exited after 4.113 seconds with return value 0
Press any key to continue . . .
```

- Tugas Mencari Bilangan Prima

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

int main() {
    int batasAtas, num, i;

    cout << "Masukkan batas atas untuk mencari bilangan prima: ";
    cin >> batasAtas;

    cout << "Bilangan prima antara 1 dan " << batasAtas << " adalah: " << endl;

    for (num = 2; num <= batasAtas; num++) {
        bool prima = true;

        for (i = 2; i * i <= num; i++) {
            if (num % i == 0) {
                prima = false;
                break;
            }
        }

        if (prima) {
            cout << num << " ";
        }
    }

    cout << endl;
    return 0;
}
```

```
Masukkan batas atas untuk mencari bilangan prima: 20
Bilangan prima antara 1 dan 20 adalah:
2 3 5 7 11 13 17 19

----------------------------------
Process exited after 12.05 seconds with return value 0
Press any key to continue . . .
```

- Tugas Belah Ketupat Bolong

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

int main ()
{
    int n, i, j;

    cout << "Input jumlah baris = ";
    cin >> n;
    cout << endl;

    for (i = 0; i < n; i++) {
        for (j = -n; j < n; j++) {
            if (-i <= j && j < i) {
                cout << "  ";
            } else {
                cout << "* ";
            }
        }
        cout << endl;
    }

    for (i = 1; i <= n; i++) {
        for (j = -n; j < n; j++) {
            if (-(n - i) <= j && j < (n - i)) {
                cout << "  ";
            } else {
                cout << "* ";
            }
        }
        cout << endl;
    }
}
```

```
* * * * * * * * * * * * * * * * * * * *
* * * * * * * *         * * * * * * * *
* * * * * * *             * * * * * * *
* * * * * *                 * * * * * *
* * * * *                     * * * * *
* * * *                         * * * *
* * *                             * * *
* *                                 * *
*                                     *
*                                     *
* *                                 * *
* * *                             * * *
* * * *                         * * * *
* * * * *                     * * * * *
* * * * * *                 * * * * * *
* * * * * * *             * * * * * * *
* * * * * * * *         * * * * * * * *
* * * * * * * * * * * * * * * * * * * *

----------------------------------
Process exited after 7.31 seconds with return value 0
Press any key to continue . . .
```