# LAPORAN PRAKTIKUM ALGORITMA DAN PEMROGRAMAN



# **Disusun Oleh:**

Prames Ray Lapian – 140810210059

# PROGRAM STUDI S-1 TEKNIK INFORMATIKA FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM UNIVERSITAS PADJADJARAN JATINANGOR

2021

### A. TUGAS

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```
Nama Program : UTS
Nama
                : Prames Ray Lapian
NPM
               : 140810210059
Tanggal Buat
Deskripsi
               : soal2
#include <iostream>
using namespace std;
int main ()
   int n, i = 0, j = 0;
    string genap = "ganjil", prima = "bukan ";
    cout << "Masukkan bilangan: ";</pre>
    cin >> n;
    for (int i = 1; i <= n; i++)
        cout << "I";</pre>
        if (i % 5 == 0)
        cout << " ";
    if (n % 2 == 0)
```

```
genap = "genap";
  for (int i = 1; i < n; i++)
      if (n % i == 0)
         j++;
  if (j == 1)
      prima = "adalah ";
  cout << "\n" << n << " " << "adalah bilangan " << genap;</pre>
  cout << "\n" << n << " " << prima << "bilangan prima";</pre>
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLI
  # # () * * * * * *
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```

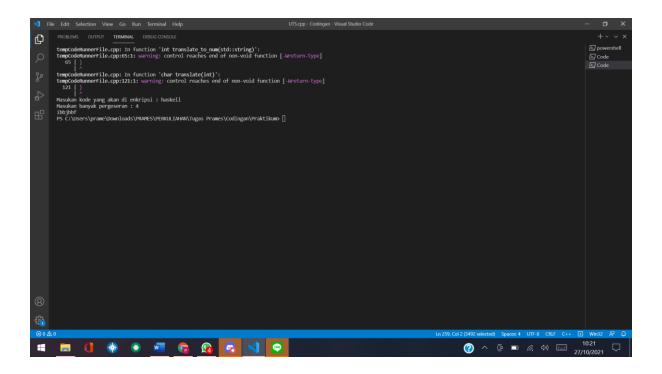
```
/*
Nama Program : UTS
Nama : Prames Ray Lapian
NPM : 140810210059
Tanggal Buat : 27 Oktober 2021
Deskripsi : soal3
*/
#include <iostream>
using namespace std;
```

```
int main ()
{
                          string kalimat;
                        int nkata, nkalimat, i = 0;
                          cout << "masukan banyak kalimat : ";</pre>
                          cin >> nkalimat;
                         cout << endl;</pre>
                        while (i < nkalimat)</pre>
                                                 nkata = 0;
                                                 cin.ignore();
                                                 getline(cin, kalimat);
                                                 for (int i = 0; i <= kalimat.size(); i++)</pre>
                                                                            if (kalimat[i] == ' ')
                                                                                                    nkata++;
                                                  cout << nkata + 1;</pre>
                                                  cout << "\n\n";</pre>
                                                 i++;
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```

```
using namespace std;
int translate_to_num(string Huruf)
    if (Huruf == "a")
        return 1;
    else if (Huruf == "b")
        return 2;
    else if (Huruf == "c")
        return 3;
    else if (Huruf == "d")
        return 4;
    else if (Huruf == "e")
        return 5;
    else if (Huruf == "f")
        return 6;
    else if (Huruf == "g")
        return 7;
    else if (Huruf == "h")
        return 8;
    else if (Huruf == "i")
        return 9;
    else if (Huruf == "j")
        return 10;
    else if (Huruf == "k")
        return 11;
    else if (Huruf == "l")
        return 12;
    else if (Huruf == "m")
        return 13;
    else if (Huruf == "n")
        return 14;
    else if (Huruf == "o")
        return 15;
    else if (Huruf == "p")
        return 16;
    else if (Huruf == "q")
        return 17;
    else if (Huruf == "r")
        return 18;
    else if (Huruf == "s")
        return 19;
    else if (Huruf == "t")
        return 20;
    else if (Huruf == "u")
        return 21;
    else if (Huruf == "v")
       return 22;
```

```
else if (Huruf == "w")
        return 23;
    else if (Huruf == "x")
        return 24;
    else if (Huruf == "y")
        return 25;
    else if (Huruf == "z")
        return 26;
char translate(int nomorHuruf)
    if (nomorHuruf == 1)
        return 'a';
    else if (nomorHuruf == 2)
        return 'b';
    else if (nomorHuruf == 3)
        return 'c';
    else if (nomorHuruf == 4)
        return 'd';
    else if (nomorHuruf == 5)
        return 'e';
    else if (nomorHuruf == 6)
        return 'f';
    else if (nomorHuruf == 7)
        return 'g';
    else if (nomorHuruf == 8)
        return 'h';
    else if (nomorHuruf == 9)
    else if (nomorHuruf == 10)
        return 'j';
    else if (nomorHuruf == 11)
        return 'k';
    else if (nomorHuruf == 12)
        return '1';
    else if (nomorHuruf == 13)
        return 'm';
    else if (nomorHuruf == 14)
        return 'n';
    else if (nomorHuruf == 15)
        return 'o';
    else if (nomorHuruf == 16)
        return 'p';
    else if (nomorHuruf == 17)
        return 'q';
    else if (nomorHuruf == 18)
       return 'r';
```

```
else if (nomorHuruf == 19)
        return 's';
    else if (nomorHuruf == 20)
        return 't';
    else if (nomorHuruf == 21)
        return 'u';
    else if (nomorHuruf == 22)
        return 'v';
    else if (nomorHuruf == 23)
        return 'w';
    else if (nomorHuruf == 24)
        return 'x';
    else if (nomorHuruf == 25)
        return 'y';
    else if (nomorHuruf == 26)
        return 'z';
int main()
    string kode, semi, semi2 = "", semiHasil = "";
    int banyakGeser, semiHasil1;
    cout << "Masukan kode yang akan di enkripsi : ";</pre>
    cin >> kode;
    cout << "Masukan banyak pergeseran : ";</pre>
    cin >> banyakGeser;
    int panjang = kode.length();
    for (int i = 0; i < panjang; i++)</pre>
        semi = kode.substr(i, 1);
        semi2 += to_string(translate_to_num(semi));
    for (int j = 0; j < panjang; j++)</pre>
        semiHasil1 = stoi(semi2.substr(j, 1)) + 1;
        semiHasil += translate(semiHasil1);
    cout << semiHasil;</pre>
```



```
Nama Program : UTS
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NPM
              : 140810210059
Tanggal Buat
Deskripsi
#include <iostream>
using namespace std;
void konvert(int& jam, string am_pm)
   if (am_pm == "PM")
       jam += 12;
   if (jam == 24)
       jam = 00;
int main()
    int jam, menit;
    string am_pm;
```

```
cout << "Format 12 Jam : " << jam << ":" << menit << am_pm << "\n";
konvert(jam, am_pm);
cout << "Format 24 Jam : " << jam << ":" << menit;

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