

## Kasus 1

```
#include <iostream>

using namespace std;

int n;

struct pegawai{
    char nip[20],nama[30];

    float gaji,gajiB,gajiT,upah,Tgaji;

    int golongan,jam;
};

struct pegawai x[10];

void garis(){
    cout<<"\n-----\n";
}

int inputan(){
    for(int i=0; i<n; i++){
        cout<<"\nPegawai ke-"<<(i+1)<<endl;

        cout<<"Nama Pegawai   : "; cin >> x[i].nama;

        cout<<"No.Induk Pegawai : "; cin >> x[i].nip;

        cout<<"Gaji Pokok       : "; cin >> x[i].gaji;

        cout<<"Golongan         : "; cin >> x[i].golongan;

        cout<<"Berapa Jam kerja : "; cin >> x[i].jam;

    }
}
```

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        return 0;
    }

void totalgaji(){
    for(int i=0; i<n; i++){
        if(x[i].golongan== 1 && x[i].jam >= 5){
            x[i].gajiT = 500000;
            x[i].upah = (5000*(x[i].jam-5));
            x[i].Tgaji = x[i].gajiT + x[i].upah;
        }
        else if(x[i].golongan== 2 && x[i].jam >= 5){
            x[i].gajiT = 300000;
            x[i].upah = (3000*(x[i].jam-5));
            x[i].Tgaji = x[i].gajiT + x[i].upah;
        }
        else if(x[i].golongan== 3 && x[i].jam >= 5){
            x[i].gajiT = 250000;
            x[i].upah = (2000*(x[i].jam-5));
            x[i].Tgaji = x[i].gajiT + x[i].upah;
        }
        else if(x[i].golongan== 4 && x[i].jam >= 5){
            x[i].gajiT = 100000;
            x[i].upah = (1500*(x[i].jam-5));
            x[i].Tgaji = x[i].gajiT + x[i].upah;
        }
    }
}

```

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        else if(x[i].golongan== 5 && x[i].jam >= 5){

            x[i].gajiT = 50000;

            x[i].upah = (1000*(x[i].jam-5));

            x[i].Tgaji = x[i].gajiT + x[i].upah;

        }

        else{

            cout<<"\nperusahaan : 'anda bukan gologan kami'\n";

            break;

        }

    }

}

```

```

void gajiBERSIH(){

    for(int i=0; i<n; i++){

        float t,p;

        t=((15*x[i].gaji)/100.0);

        p=((10.0*(t+x[i].gaji))/100.0);

        x[i].gajiB=((t+x[i].gaji)-p);

    }

}

```

```

void output(){

    garis();

    garis();

    for(int i=0; i<n; i++){

```

```

        cout<<"\npegawai ke-"<<(i+1);

        cout<<"\nNo.Induk Pegawai : " << x[i].nip;

        cout<<"\nNama Pegawai   : " << x[i].nama;

        cout<<"\nGaji Pokok     : " << x[i].gaji;

        cout<<"\nGaji Bersih    : " << x[i].gajiB;

        cout<<"\nGaji Tetap     : " << x[i].gajiT;

        cout<<"\nUpah Lembur    : " << x[i].upah;

        cout<<"\nTotal Gaji      : " << x[i].Tgaji<<endl;

    }

}

int main(){

    cout<<"PROGRAM UNTUK MENGHITUNG GAJI BERSIH PEGAWAI";

    garis();

    cout<<"\nSyarat : \n1. minimal kerja 5 jam\n2. maksimal golongan yaitu 5, tiap golongan berbeda
pendapatan\n\n";

    cout<<"Masukkan Jumlah Pegawai : ";

    cin>>n;

    inputan();

    gajiBERSIH();

    totalGaji();

    output();

    return 0;

}

```

Ksus 2

```
#include <iostream>
```

```
using namespace std;
```

```
struct buku{
```

```
    int judul,judulH;
```

```
};
```

```
struct buku x[5];
```

```
int jum,waktu,denda,hilang;
```

```
int tglP,bulanP,thnP;
```

```
int tglK,bulanK,thnK;
```

```
int biologi=20000,mtk=15000,sastra=10000,seni=10000,puisi=10000,pantun=10000;
```

```
void inputan(){
```

```
    for(int i=0; i<jum; i++){
```

```
        cout<<"Masukkan No.buku pinjaman "<<i+1<<" : "; cin>>x[i].judul;}
```

```
        cout<<"Tanggal peminjaman   : "; cin>>tglP;
```

```
        cout<<"Bulan peminjaman       : "; cin>>bulanP;
```

```
        cout<<"Tahun peminjaman        : "; cin>>thnP;
```

```
        cout<<"\nTanggal pengembalian   : "; cin>>tglK;
```

```
        cout<<"Bulan pengembalian      : "; cin>>bulanK;
```

```
        cout<<"Tahun pengembalian      : "; cin>>thnK;
```

```
        cout<<"Jumlah buku hilang      : "; cin>>hilang;
```

```
    for(int i=0; i<hilang; i++){
```

```

        cout<<"Judul No.buku hilang  "<<i+1<<" : "; cin>>x[i].judulH;

    }

}

void tanggal(){

    if((tglP>0) && (tglP<=31) && (bulanP>0) && (bulanP<=12) && (thnP>0) && (tglK>0) &&
(tglK<=31) && (bulanK>0) && (bulanK<=12) && (thnK>0)){

        waktu=((tglK+((bulanK*30)+thnK)) - ((tglP+((bulanP*30)+thnP))));

        cout<<"\njangka waktu : "<<waktu<<" hari\n";

    }else{

        cout<<"\nTanggal salah\n";

    }

}

```

```

void pajak(){

    for(int j=7; waktu; j=j+7){

        if((waktu > j) && (waktu <= j+7)){

            if(jum>=hilang){

                denda=(((j/7)*1000)*(jum-hilang));

                cout<<"Denda peminjaman : "<<denda<<endl;

                break;

            }else{

                denda=(((j/7)*1000)*(hilang-jum));

                cout<<"Denda peminjaman : "<<denda<<endl;

                break;

            }

        }

    }

}

```

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        }
    }else{
        cout<<"waktu pengembalian "<<waktu<<" hari";
        break;
    }
}
}
}

```

```

void pajakk(){
    for(int i=0; i<hilang; i++){
        if(x[i].judulH == 1){
            cout<<"\nDenda hilang = Rp."<<biologi;
        }else if(x[i].judulH == 2){
            cout<<"\nDenda hilang = Rp."<<mtk;
        }else if(x[i].judulH == 3 || x[i].judulH == 4 || x[i].judulH == 5 || x[i].judulH == 6){
            cout<<"\nDenda hilang = Rp.10000";
        }else{
            cout<<"\nAnda tidak kena denda buku hilang";
        }
    }
}
}

```

```

int main(){
    cout<<"PROGRAM PEMINJAMAN BUKU\n";
}

```

```

        cout<<"-----\n";

        cout<<"Syarat peminjaman : \n1. Peminjaman tidak lebih dari 7 hari\n2. saptu dan minggu
tutup\n";

        cout<<"3. Buku yang tersedia yaitu :\n 1) biologi Rp.20000\n 2) mtk   Rp.15000\n 3) sastra
Rp.10000\n 4) seni   Rp.10000\n 5) puisi  Rp.10000\n 6) pantun Rp.10000";

        cout<<"\n\nMasukkan jumlah buku yg dipinjam : ";

        cin>>jum;

        inputan();

        tanggal();

        pajak();

        pajakk();

        return 0;

}

```