

SOAL LATIHAN 4 APRIL 2019

1. Looping dengan FOR (Nama file : Lat7_for)

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

int main()
{
    int n, m, factorial;
    factorial = 1;
    cout<<"Enter a positive integer : ";
    cin>>m;

    for (n=1;n<=m;n++)
        factorial *= n;
    cout<<"Factorial of "<<m<<" is "<<factorial;
    return 0;
}
```

2. Looping dengan WHILE DO (Nama file : Lat7_while)

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

int main()
{
    int n, m, factorial;
    factorial = 1;
    cout<<"Enter a positive integer : ";
    cin>>m;

    n=1;
    while (n<=m)
    {
        factorial *= n;
        n++;
    }

    cout<<"Factorial of "<<m<<" is "<<factorial;
    return 0;
}
```

3. Looping dengan DO-WHILE (Nama file : Lat7_do)

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

int main()
{
    int n, m, factorial;
    factorial = 1;
    cout<<"Enter a positive integer : ";
    cin>>m;

    n=1;
    do
    {
        factorial *= n;
        n++;
    }
    while(n<=m);

    cout<<"Factorial of "<<m<<" is "<<factorial;
    return 0;
}
```

4. Looping dengan Syarat dan Kombinasi Perintah Continue dan Break (Catatan: saat eksekusi, masukkan nilai start 1 dan nilai akhir 50) (Nama file : Lat7_contbreak)

```
//Input-Output Instruction
#include <iostream>
using namespace std;

int main()
{
    int start, last, m;
    cout<<"Input your start number : ";
    cin>>start;
    cout<<"Input your last number : ";
    cin>>last;
    for (m=start; m<=last; m++)
    {
        if ((m%2)==0)
            continue;
        if (m==25)
            break;
    }
}
```

```

        break;
    cout<<m<<" ";
}
return 0;
}

```

5. Menggunakan Library Matematika (Nama file : Lat7_math)

```

//Menggunakan Library Matematika

#include <iostream>

#include <cmath>

using namespace std;

int main()
{
    int i,j,nilai_awal,nilai_akhir;

    cout<<"Masukkan nilai awal dan akhir secara berurutan :"<<endl;
    cin>>nilai_awal>>nilai_akhir;

    for (i=nilai_awal; i<=nilai_akhir; i++)
    {
        j = pow(i,2);
        cout<<"Kuadrat " <i<<"adalah " <j<<endl;
    }

    return 0;
}

```