

CONGRATULATIONS ON MAKING IT THIS FAR !!!

Instructions :

- ◆ In this level you will need 3 simple c++ codes. Know what they do and they will help you cross this level.
- ◆ P.S. : g++ -o program program.cpp

1.

```
int main()
{
int i, j, N;
N=4;
for(i=1; i<=N; i++)
{
for(j=2; j<=i*2; j+=2)
cout<<j;
for(j=(i-1)*2; j>=2; j-=2)
cout<<j;
cout<<endl;
}
cout<<"Key : 8 3 5 3 8 4 2 ";
return 0;
}
```

2.

```
int main()
{
    int i, j, value, N;
    N=5;
    for(i=1; i<=N; i++)
    {
        value = i + 1;
        for(j=3; j<=i; j++)
        {
            cout<<value;
            value++;
        }
        for(j=(i*2)-1; j>=i; j--)
            cout<<j;
        cout<<endl;
    }
    cout<<"Key : 1 2 1 9 4 2 6 5";
    return 0;
}
```

3.

```
int main()
{
    int i, j, N, colCount, value;
    colCount = 1;
    value = 1;
    N=5;
    for(i=1; i<=N; i++)
    {
        for(j=1; j<=colCount; j++)
        {
            if(value == 10)
            value = 1;
            cout<<value;
            value++;
        }
        cout<<endl;
        colCount *= 2;
    }
    cout<< endl<<endl<<"Figure out the key looking at previous examples to
    unlock the next level.";
    return 0;
```