CONGRATULATIONS ON MAKING IT THIS FAR !!

Instructions:

★ In this level you will find 3 simple c++ codes. Know what they do and they will help you cross this level!

★ Hint: g++ filename.cpp

```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<<endl<<" Key: 2 8 9 5";
        return 0;
    }
```

```cpp
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<<"\n Key: 1 5 7 6 2"
            return 0;
        }
```

3.

```cpp
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;
}
```