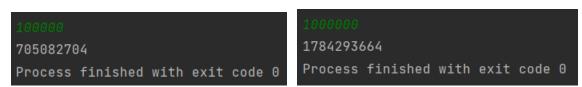
o Try various inputs: 10, 100, 1000, 10000, 100000, 1000000. If the input is 100000 or 1000000, does the output match your expectation? If no, how does that happen? How to solve it so that the output match your expectation?

All inputs satisfy the expected outputs except 100000 and 1000000,



this is because the data type used (int) cannot contain such large number, it causes the number to loop back. In order to solve the issue, we can try change the data type to something that could contain more, namely long long.

```
int main() {
//Declare the variables
long long n,x;
```

But even after using the biggest numerical data type, the number still loops back and we don't get the expected value soooo whatever t\_\_\_\_\_t

