**Task 2 Implement conditional, control and looping statements.**

2.1  **An automorphic number**

An automorphic number is a number whose square ends with the number itself.

For example, 5 is an automorphic number because 5\*5 =25. The last digit is 5 which same as

the given number.

If it is an automorphic number display “Automorphic” else display “Not Automorphic”.

Input Format:

Take a Integer from Keyboard

Output Format:

Print Automorphic if given number is Automorphic number, otherwise Not Automorphic

Example input:

5

Output:

Automorphic

Example input:

25

Output:

Automorphic

### 2.2Password Verification

**Scenario**: A system allows 3 attempts to enter the correct password. Lock the account if incorrect all 3 times.

### 2.3 Check if a Number is Positive, Negative, or Zero (Conditional Statement)

### 2.4 Factorial of a Number using for loop

### 2.5 Print the Fibonacci series up to N terms