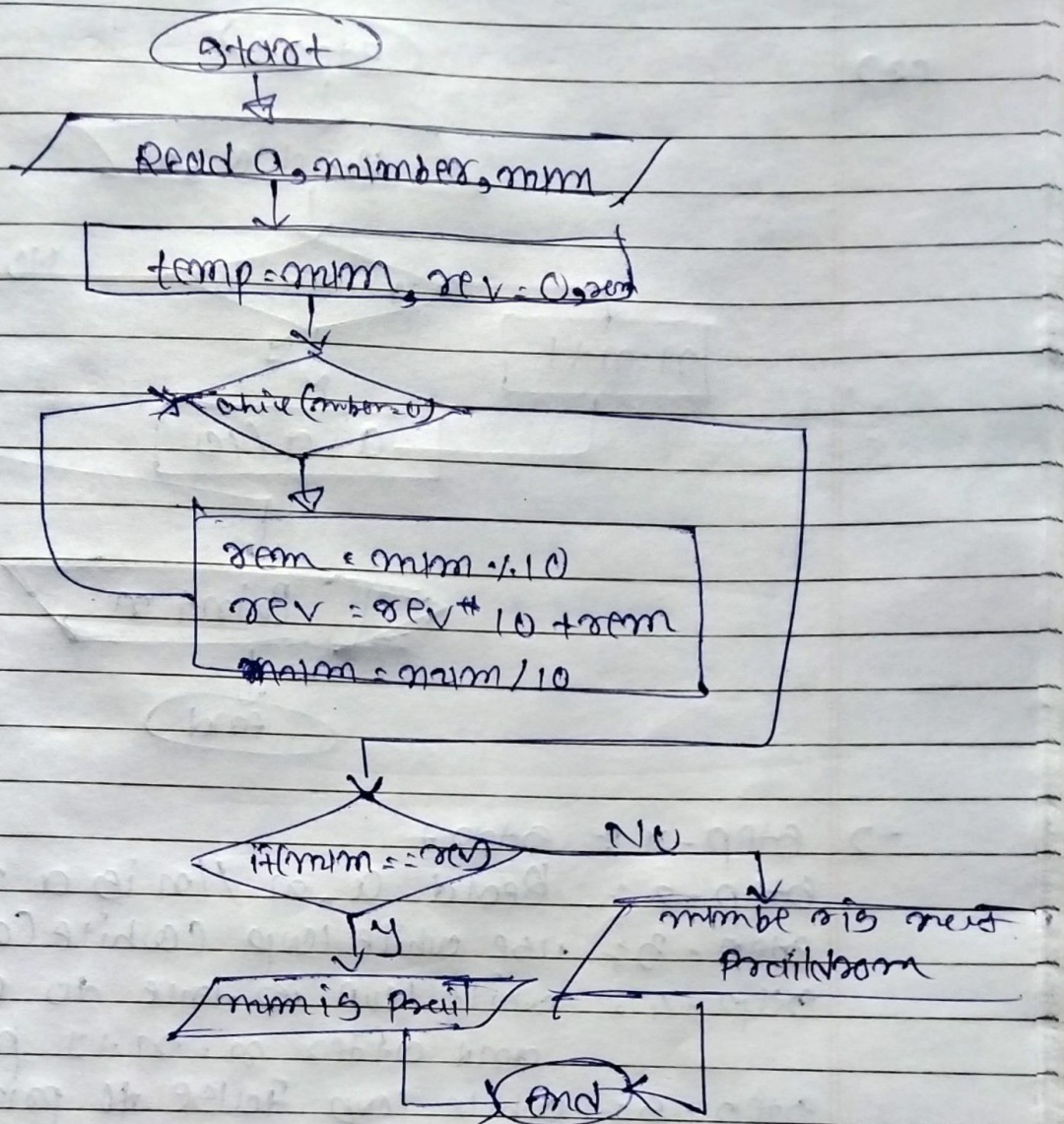


```
/*  
1. Write an algorithm, draw a flowchart and write a program to find  
whether the Number is a Palindrome or Not Using While Loop.  
*/
```

```
public static void main(String[] args) {  
    int x, number, y = 0, temp = 0;  
    Scanner s = new Scanner(System.in);  
    System.out.println("Enter any number: ");  
    number = s.nextInt();  
    x = number;  
    while (number > 0) {  
        x = number % 10;  
        number = number / 10;  
        temp = temp * 10 + x;  
    }  
    if (temp == y) {  
        System.out.println("Number is Palindrome");  
    } else {  
        System.out.println("not Palindrome");  
    }  
}  
}
```



→ Steps: Start

Step 2 :- Read a, number, num

Step 3 :- temp = num, rev = 0, rem

Step 4 :- use while loop and condition num > 0

Step 5 :- process rem = num % 10;

rev = rev \* 10 + rem;

num = num / 10;

Step 6 :- after loop use if else condition if num == rev  
yes to print number is palindrome and  
go to step 8

Step 7 :- else false the condition print number is  
not palindrome go to step 8.

Step 8 :- end.