Algorithm

1. Start
2. Initialize temp = num, rev = 0
3. while (num > 0)

```
dig = num % 10;
rev = (rev * 10) + dig;
num /= 10;
```

4. if (rev == temp)

```
return 1;
```

else

```
return 0;
```

int main ()

1. Start
2. Input number
3. if (isPalindrome (number))

~~Printf("%d is a palindrome", number)~~

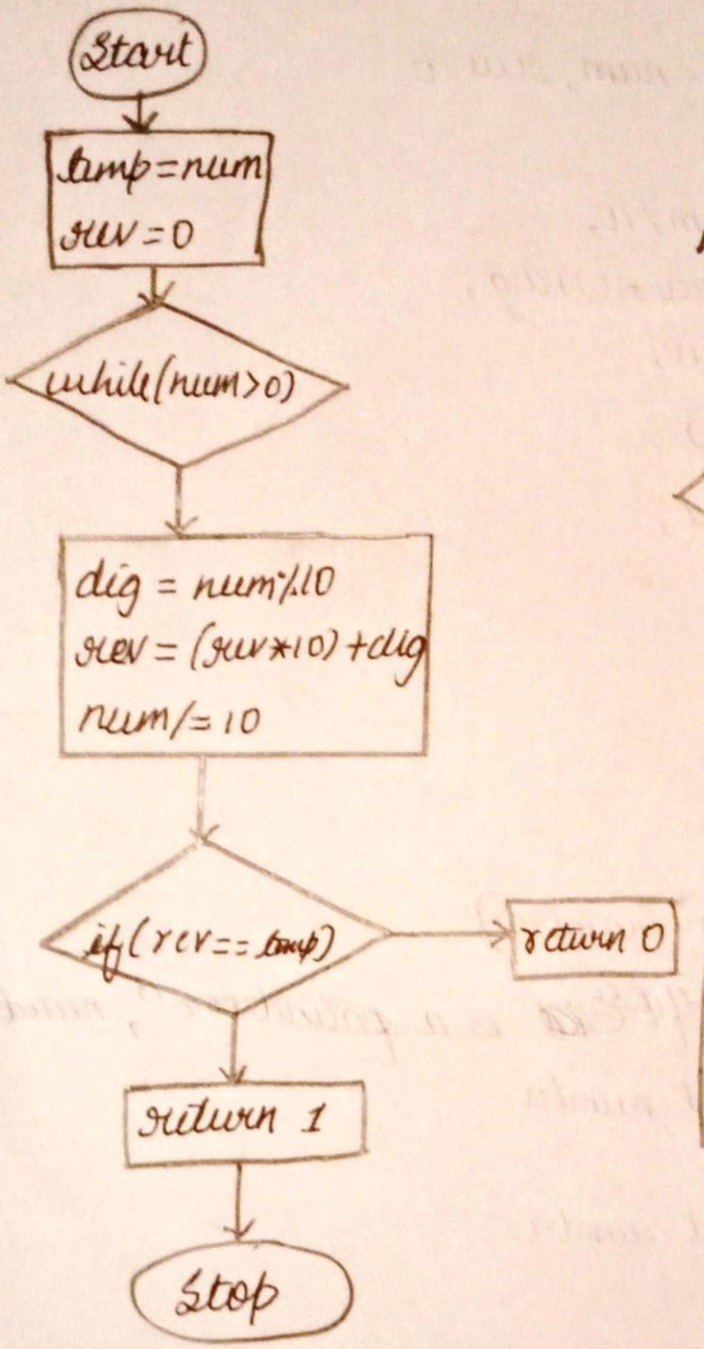
Print number

else

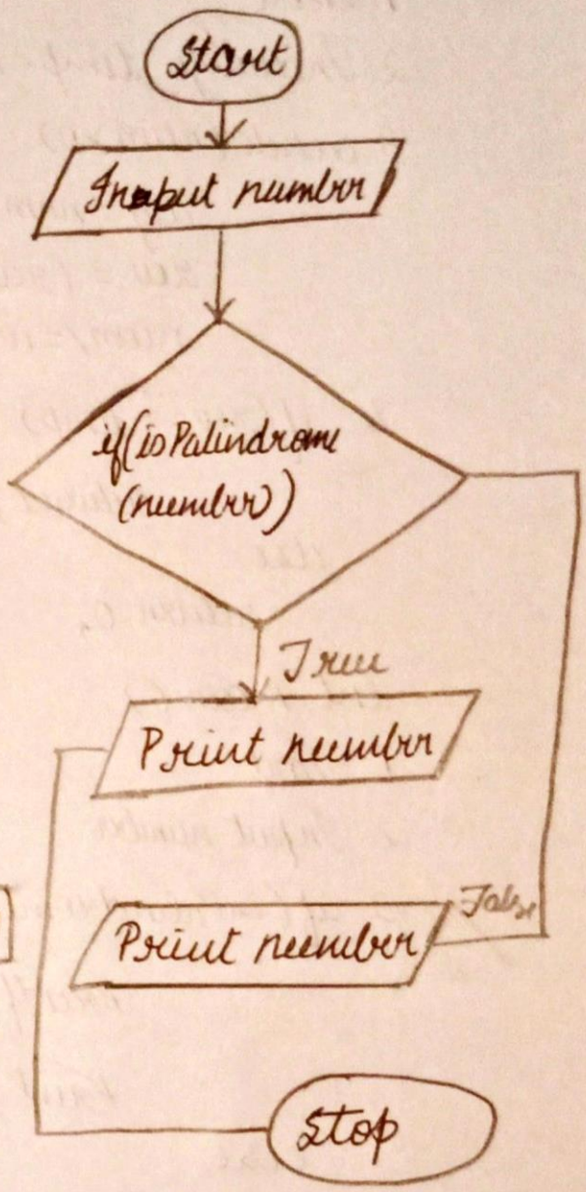
Print number.

4. Stop.

Flowchart



int main()



C (gcc 6.3)

Code gets autosaved every second

```c
#include <stdio.h>
int isPalindrome(int num)
{
    int temp=num;
    int dig,rev;


    rev=0;
    while(num>0)
    {
        dig=num%10;
        rev=(rev*10)+dig;
        num/=10;
    }

    if(rev==temp)
        return 1;
    else
        return 0;
}
int main()
{
  int number;
```

0:0

Open File

Custom Input

```
1221
```

Status Successfully executed Date 2020-06-29 10:36:54 Time 0 sec Me

Input

```
1221
```

Output

```
Enter an integer number: 1221 is a palindrome.
```