

C. Program to check whether a no. is palindrome or not:

Algorithm:

① Start

② input num

③ result = palindrome (num)

④ if (result == 1)

⑤ output palindrome

⑥ else

⑦ output not palindrome

int palindrome (int num)

① Start

② rev = 0; r, n;

③ n = num;

④ while (n > 0)

$r = n \% 10;$

$rev = rev * 10 + r;$

$n = n / 10;$

⑤ if (rev == num)

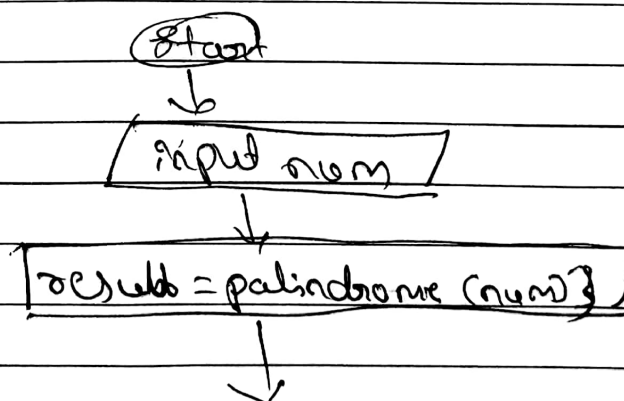
 return 1;

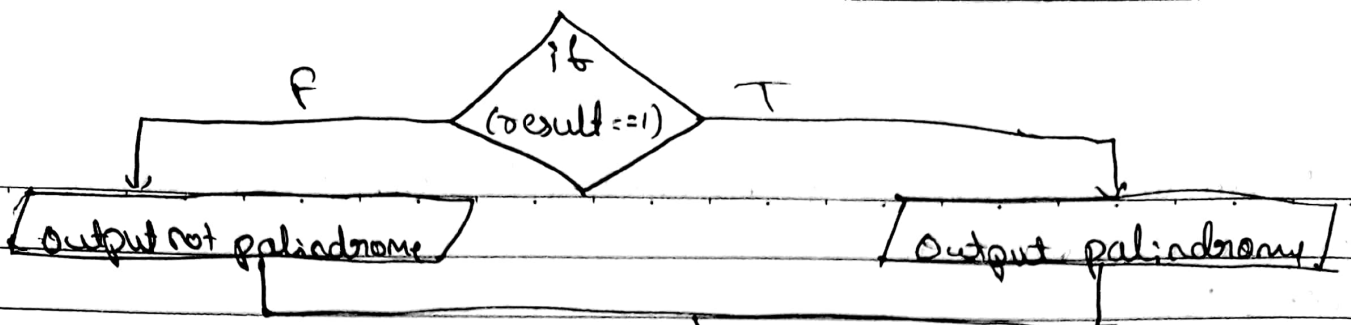
⑥ else

 return 0;

⑦ Stop

Flowchart:





int palindrome (int num)

Start

input num = 0, 0, 0

n = num

while (n > 0)

$$r = n \% 10$$

$$num = num * 10 + r$$

$$n = n / 10$$

