

○ program to check whether a given number is palindrome or not using functions.

Algorithm:

1. Start
 2. int num
 3. if (result == 1)
 printf ("%d is palindrome")
 else
 printf ("%d is not palindrome")
 4. Stop
- int is_palindrome (int num)

1. Entry
2. $\& \text{ num} = 0$
3. while ($n \neq 0$)
 $r = n \% 10$
 $\text{num} = \text{num} * 10 + r$
 $n = n / 10$
 end while.
4. if ($\text{num} = \text{num}$)
 "return"
 else
 return 0
5. Exit.

Flowchart

