CHECK PALINDROME

ALGORITHM:

STEP 1: Start the program

STEP 2: print enter an integer and using scanf %d and n.

STEP 3: And using while loop reversed multiple 10 and add remainder.

STEP 4: Using if and else and finally return 0.

COMMANDS:

printf("Enter an integer: ");

scanf("%d", &n);\\ using %d is an integer and n is number .

while (n != 0)\\ reversed integer is stored in reversed variable.

if (original == reversed)\\ palindrome if orignal and reversed are equal.

PROGRAM:

#include <stdio.h>

int main() {

int n, reversed = 0, remainder, original;

printf("Enter an integer: ");

scanf("%d", &n);

original = n;

while (n != 0) {

remainder = n % 10;

reversed = reversed \* 10 + remainder;

n /= 10;

}

if (original == reversed)

printf("%d is a palindrome.", original);

else

printf("%d is not a palindrome.", original);

return 0;

OUTPUT:

Enter an integer: 1001

1001 is a palindrome.