

8.Problem-8:

a. Description

Verify if number is palindrome.

b. Solution-1:

c. Solution-2

```
#include<stdio.h>
#include<math.h>
#include<string.h>
#include<stdlib.h>
int CheckSNT(int n){
    int i;
    int count=0;
    for(i=1;i<=n/2;i++){
        if(n%i==0){
            count++;
        }
    }
    return count;
}
int SDX(int n){
    int temp,rem;
    int reverse =0;
    temp = n;
    while(temp != 0)
    {
```

```

        rem = temp % 10;
        reverse = reverse*10 + rem;
        temp /= 10;
    }
    return reverse;
}

int main(){
    int n;
    do{
        printf("Nhap n: ");
        scanf("%d",&n);
    }
    while(n<0 || n>65 );
    if(CheckSNT(n)==1 && SDX(n)==n){
        printf("Verify if number is palindrome");
    }else{
        printf("Verify if number is not palindrome");
    }

    return 0;
}

```

d. Test case

D:\C++\CEA\C8.exe

Nhap n: 101

Nhap n: 11

Verify if number is palindrome

Process exited after 25.74 seconds with return value 0

Press any key to continue . . .