```
# Solution-1 (Using while loop)

n =int(input("Enter any no. "))
temp=n
rno=0
while(temp>0):
    dig=temp%10
    rno=(rno*10)+dig
    temp=temp//10
if (n==rno):
    print("Palindrome")
else:
    print("Not Palindrome")
```

```
# Solution-2 (Using slice operator)

n =input("Enter any no. ")
rn=n[::-1]

if (n==rn):
    print("Palindrome")
else:
    print("Not Palindrome")
```

```
# Solution-3 (Using user-defined function)

def check(no):
    rn=no[::-1]
    if (no==rn):
        return "Palindrome"
    else:
        return "Not Palindrome"


n =input("Enter any no. ")
print(check(n))
```

```
# Solution-4 (Using while loop with udf)

def reverse(no):
    temp=no
    rno=0
    while(temp>0):
        dig=temp%10
        rno=(rno*10)+dig
        temp=temp//10
    return(rno)


n =int(input("Enter any no. "))
if (n==reverse(n)):
    print("Palindrome")
else:
    print("Not Palindrome")
```