

```
flag = 0

for n in range(1, 1000000):

    x=n

    y=n

    rem = 0

    k=[]

    while(x>0):

        num = x % 10

        rem = rem * 10 + num

        x = x // 10

    while (y>0):

        a=int(float(y%2))

        k.append(a)

        y=(y-a)/2

    k.append(0)

    string=""

    rev = ""

    for j in k[::-1]:

        string=string+str(j)

    rev = string[::-1]

    if (rem == n and string == rev ):

        flag = flag + 1;

print('there are %d palindromes' %flag)
```