

```
1 def isHappyNumber(num):
2     rem=sum=0
3     while(num>0):
4         rem=num%10
5         sum+=(rem*rem)
6         num//=10
7     return sum
8 num=int(input("enter number:"))
9 result=num
10 while(result!=1 and result!=4):
11     result=isHappyNumber(result)
12 if(result==1):
13
```