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Qn1:-sum of digit until sum becomes single. Digit
num = int(input("Enter a number: "))
while num >= 10:
  sum_digits = 0
  while num > 0:
    sum_digits += num % 10
    num //= 10
  num = sum digits
print("The single-digit sum is:", num)
Qn3:- spy number
num=int(input("enter number")
sum=0
prod=1
temp=num
while num>0
  digit=num%10
  sum+=r
   prod*=r
  Num//=10
If sum==prod:
 print("its a spy number")
else:
 print("no its not a spy number")
Qn4:- strong number
n=int(input("enter a number"))
temp=n
sum=0
while n!=0:
  digit=n%10
  fact=1
  print(digit)
  while digit>1:
    fact=fact*digit
    print(fact)
    digit=digit-1
  sum=sum+fact
  n=n//10
print(sum)
```

if temp==sum:

else:

print("yes its a strong")

print("noo its not")