1. **[Write a program to reverse an integer in Python.](https://quescol.com/interview-preparation/python-program-to-reverse-a-number)**

# reverse number

n=int(input("Enter Number : "))

rev=0

while(n>0):

rev=(rev\*10)+(n%10)

n=n//10

print("The Reverse Number is :",rev)

1. [**Write a program in Python to check whether an integer is Armstrong number or not.**](https://quescol.com/interview-preparation/armstrong-program-in-python)

# Armstrong Number

n=int(input("Enter Number"))

original=n

sum=0

while(n>0):

sum=sum+(n%10)\*(n%10)\*(n%10)

n=n//10

if original==sum:

print("This is Armstrong Number")

else:

print("This is Not Armstrong Number")

1. [**Write a program in Python to check given number is prime or not.**](https://quescol.com/interview-preparation/python-program-to-check-prime-number)

#prime Number

n=int(input("Enter Number"))

i=1

count=0

while(i<=n):

if n%i==0:

count=count+1

print(count)

i=i+1

if count== 2:

print("This is Prime Number")

else:

print("This is Constant Number")

1. [**Write a program in Python to print the Fibonacci series using iterative method.**](https://quescol.com/interview-preparation/fibonacci-series-in-python-program)

#febonassi Series

n=int(input("Enter Number"))

a=0

b=1

for i in range(0,n):

print(b)

c=a+b

a=b

b=c

1. [**Write a program in Python to print the Fibonacci**](https://quescol.com/interview-preparation/fibonacci-series-in-python-program-using-recursive-method)[**series using recursive method.**](https://quescol.com/interview-preparation/fibonacci-series-in-python-program-using-recursive-method)

# Fibonacci series using recursion

def fibonacci(n):

if n <= 1:

return n

return fibonacci(n-1) + fibonacci(n-2)

1. [**Write a program in Python to check whether a number is palindrome or not using iterative method.**](https://quescol.com/interview-preparation/palindrome-python-program-using-iterative-method)

# palindrome Number

n=int(input("Enter Number : "))

original=n

rev=0

while(n>0):

rev=(rev\*10)+(n%10)

n=n//10

if rev==original:

print("This is palindrome Number")

else:

print("this is not palindrome Number")

1. [**Write a program in Python to check whether a number is palindrome or not using recursive method.**](https://quescol.com/interview-preparation/python-palindrome-program-using-recursive-method)

number=int(input("Enter Number"))

def reverse(n):

if n<10:

return n

else:

return int(str(n%10) + str(reverse(n//10)))

def is\_palindrome(number):

if number == reverse(number):

return 1

return 0

if is\_palindrome(number) == 1 :

print("this is palindrome number")

else:

print("this is not palindrome number")

1. [**Write a program in Python to find greatest among three integers.**](https://quescol.com/interview-preparation/greatest-among-three-using-python)

n=int(input("enter number"))

mylist=[]

for i in range(n):

value=int(input("enter value"))

mylist.append(value)

mylist.sort()

mylist[-1:-5:-1]

1. [**Write a program in Python to check if a number is binary?**](https://quescol.com/interview-preparation/given-number-format-is-a-binary-in-python)
2. [**Write a program in Python to find sum of digits of a number using recursion?**](https://quescol.com/interview-preparation/swap-two-number-without-using-the-third-variable-in-python)

# Sum of Number

n=int(input("Enter Number"))

sum=0

while(n>0):

sum=sum+(n%10)

n=n//10

print(sum)

1. [**Write a program in Python to swap two numbers without using third variable?**](https://quescol.com/interview-preparation/swap-two-number-without-using-the-third-variable-in-python)

# swap withou using third variable

# 1st method

a=10

b=20

a,b=b,a

print("after swap a :",a)

print("after swap b :",b)

#2nd method

a=a+b # a=30

b=a-b # b=10

a=a-b # a=20

print("after swap a :",a)

print("after swap b :",b)

1. [**Write a program in Python to swap two numbers using third variable?**](https://quescol.com/interview-preparation/swap-two-number-using-third-variable-in-python)

# swap to number with third variable

a=10

b=20

temp=b

b=a

a=temp

print("after swap a :",a)

print("after swap b :",b)

1. [**Write a program in Python to find prime factors of a given integer.**](https://quescol.com/interview-preparation/find-prime-factors-in-python)

n=int(input("Enter Number"))

for x in range(1,n):

if n%x==0:

a=1

count=0

while a<=x:

if x%a==0:

count=count+1

a=a+1

if count==2:

print("prime number:",x)

1. [**Write a program in Python to add two integer without using arithmetic operator?**](https://quescol.com/interview-preparation/python-program-to-add-two-numbers-without-addition-operator)
2. [**Write a program in Python to find given number is perfect or not?**](https://quescol.com/interview-preparation/perfect-number-program-in-python)

# # perfect Number

n=int(input("Enter Number"))

factor=[]

for i in range(1,n):

if n%i==0:

factor.append(i)

if sum(factor) == n:

print("This is Perfact Number")

else:

print("this is not Perfect Number")

1. **P**[**ython Program to find the Average of numbers with explanations.**](https://quescol.com/interview-preparation/average-number-program-python-2)
2. **[Python Program to calculate factorial using iterative method.](https://quescol.com/interview-preparation/python-factorial-program-iterative-approach" \t "_blank)**

# factorial number given number Tak aane wale Sabi number ka multiply Kitna hoga

def factorial\_iterative(n):

factorial = 1

if n < 0:

return "Factorial is not defined for negative numbers."

elif n == 0:

return 1

else:

for i in range(1, n + 1):

factorial \*= i

return factorial

1. [**Python Program to calculate factorial using recursion.**](https://quescol.com/interview-preparation/python-factorial-program-recursion)

# Factorial with recursion

def factorial\_number(n):

if n<0:

return "this negetive number fectorial is not posible"

elif n==0 or n==1:

return 1

else :

return n\*factorial\_number(n-1)

n=int(input("enter number"))

result=factorial\_number(5)

print(result)

1. [**Python Program to check a given number is even or odd.**](https://quescol.com/interview-preparation/even-odd-program-python)

# even or odd Number

n=int(input("Enter your "))

if n%2==0:

print("This is Even Number")

else:

print("This is odd Number")

1. [**Python Program to print Prime Number in a given range.**](https://quescol.com/interview-preparation/print-prime-number-given-range-python)

# #prime Number to given range

n=int(input("Enter range :"))

for i in range(1,n):

a=1

count=0

while(a<=i):

if i%a==0:

count=count+1

a=a+1

if count==2:

print("prime number is :",i)

1. [**Python Program to find Smallest number among three.**](https://quescol.com/interview-preparation/smallest-among-three-python)

**n=int(input("enter number"))**

**mylist=[]**

**for i in range(n):**

**value=int(input("enter value"))**

**mylist.append(value)**

**mylist.sort()**

**mylist[0:4]**

1. [**Python program to calculate the power using the POW method.**](https://quescol.com/interview-preparation/calculate-power-pow-python)
2. [**Python Program to calculate the power without using POW function.(using for loop)**](https://quescol.com/interview-preparation/power-program-python-for-loop)**.**
3. [**Python Program to calculate the power without using POW function.(using while loop).**](https://quescol.com/interview-preparation/python-power-program-while-loop)
4. [**Python Program to calculate the square of a given number.**](https://quescol.com/interview-preparation/square-program-python)

# square of a given number

n=int(input("Enter Number :"))

print(n\*\*2)

1. [**Python Program to calculate the cube of a given number**](https://quescol.com/interview-preparation/cube-program-python)**.**

# Cube of a given number

n=int(input("Enter Number :"))

print(n\*\*3)

1. [**Python Program to calculate the square root of a given number.**](https://quescol.com/interview-preparation/square-root-program-python)
2. [**Python program to calculate LCM of given two numbers.**](https://quescol.com/interview-preparation/python-lcm-program)

# lcm two number

num1=int(input("enter 1st number : "))

num2=int(input("enter 2nd number : "))

if num1>num2:

greater=num1

if num2>num1:

greater=num2

while True:

if greater%num1==0 and greater%num2==0:

print(greater)

break

greater += 1

1. [**Python Program to find GCD or HCF of two numbers.**](https://quescol.com/interview-preparation/python-h-c-f-program)

# HCF or GCF two number

num1=int(input("enter 1st number : "))

num2=int(input("enter 2nd number : "))

if num1>num2:

smaller=num2

else:

smaller=num2

for i in range(1,smaller+1):

if (num1%i==0) and (num2%i==0):

hcf=i

print(hcf)

1. [**Python Program to find GCD of two numbers using recursion.**](https://quescol.com/interview-preparation/python-h-c-f-using-recursion)
2. [**Python Program to Convert Decimal Number into Binary**](https://quescol.com/interview-preparation/convert-decimal-to-binary-python)[**.**](https://quescol.com/interview-preparation/python-coding-question)
3. [**Python Program to convert Decimal number to Octal number.**](https://quescol.com/interview-preparation/convert-decimal-to-octal-in-python)
4. [**Python Program to check the given year is a leap year or not.**](https://quescol.com/interview-preparation/leap-year-program-in-python)
5. [**Python Program to convert Celsius to Fahrenheit.**](https://quescol.com/interview-preparation/convert-celsius-to-fahrenheit-in-python)

**# Celsius to Fahrenheit**

**cel=int(input("enter input : "))**

**Fahrenheit=(cel\*9/5)+32**

**print(Fahrenheit)**

1. [**Python Program to convert Fahrenheit to Celsius.**](https://quescol.com/interview-preparation/fahrenheit-to-celsius-python)

**# Fahrenheit to Celsius**

**fer=int(input("enter input : "))**

**cel=(fer-32)\*5/9**

**print(cel)**

1. [**Python program to calculate Simple Interest with explanation.**](https://quescol.com/interview-preparation/simple-interest-python-program)