

hinter 2.0y - C:/Users/hanya/AppData/Local/Programs/Python/Python311/hinter 2.0y (3.11.1)\*

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```
#code for sum of digits
num=int(input())
sum=0
while num>0:
    digit=num%10
    sum+=digit
    num//=10
print("sum of digits:",sum)
```

Line 1, Col 23

22:20  
20-01-2025

InterShip.py - C:\Users\navya\AppData\Local\Programs\Python\Python311\InterShip.py (3,11,0)

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```
#code for list reversal
def reverse_list(lst):
    return lst[::-1]
lst=[1,2,3,4,5]
print("Original list:",lst)
print("reversed list:",reverse_list(lst))
```

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Interm 2.py - C:/Users/nanya/AppData/Local/Programs/Python/Python311/Interm 2.py (3.11.1)

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```
s=input("enter a string:")
vowels=0
consonants=0
for char in s:
    if char.isalpha():
        if char.lower() in 'aeiou':
            vowels+=1
        else:
            consonants+=1
print("vowels:",vowels)
print("consonants",consonants)
```

Line 11 Col 29

InterShip.py - C:\Users\Navya\AppData\Local\Programs\Python\Python311\InterShip.py (3,11,0)

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```
#code for string length
```

```
def string_length(s):
```

```
    length=0
```

```
    for char in s:
```

```
        length+=1
```

```
    return length
```

```
s=input("enter a string:")
```

```
print("length of string:",string_length(s))
```

Line 7 Col 26

InterShip.py - C:\Users\navya\AppData\Local\Programs\Python\Python311\InterShip.py (3,11,0)

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```
#code for remove duplicates
def remove_duplicates(lst):
    return list(set(lst))
lst=[1,2,2,3,4,4,5,6,6]
print("original list:",lst)
print("list without duplicates:",remove_duplicates(lst))
```

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ENG IN

10:45 20-01-2025

InterShip.py - C:\Users\Navyd\AppData\Local\Programs\Python\Python311\InterShip.py (3,11,0)

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**#code for sorted list**

**lst=[64,34,25,12,22,11,90]**

**lst.sort()**

**print("sorted list:",lst)**

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IN

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InterShip.py - C:\Users\navya\AppData\Local\Programs\Python\Python311\InterShip.py (3,11,0)

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**#code for LCM and GCD**

**import math**

**def calculate\_lcm\_gcd(a,b):**

    gcd=math.gcd(a,b)

    lcm=abs(a\*b)//gcd

**return** lcm,gcd

a=int(input())

b=int(input())

lcm,gcd=calculate\_lcm\_gcd(a,b)

**print**("GCD {},{}={}".format(a,b,gcd))

**print**("LCM {},{}={}".format(a,b,lcm))

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ENG



19:28  
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InterShip.py - C:\Users\sway\AppData\Local\Programs\Python\Python311\InterShip.py (3,11,0)

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**#code for prime number**

**def is\_prime(n):**

**if n<=1:**

**return False**

**for i in range(2,n):**

**if n%i==0:**

**return False**

**return True**

**num=int(input())**

**if is\_prime(num):**

**print("True")**

**else:**

**print("False")**

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