


C: > Users > asus > Desktop > python >  task7.py > ...

```
1 num1=['a','s','w','i','n']
2 num2=['a','s','h','o','k','u','m','r']
3 def common(l1,l2):
4     result=[]
5     for word in l1:
6         if word in l2:
7             result.append(word)
8     return result
9
10 res=common(num1,num2)
11 print(res)
```

PROBLEMS DEBUG CONSOLE **TERMINAL** PORTS SEARCH ERROR AZURE

▼ **TERMINAL**

 Python ... OUT

```
Traceback (most recent call last):
```

```
File "c:\Users\asus\Desktop\python\task7.py", line 11, in <module>
    print(res)
      ^^^
```

```
NameError: name 'res' is not defined
```

```
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/
task7.py
```

- ['a', 's']

PS C:\Users\asus>

task5.py X

C: > Users > asus > Desktop > python > task5.py > ...

```
1 def reversefn():
2     to_rev=input("Enter the list:")
3     reverse=to_rev[::-1]
4     return reverse
5 print(reversefn())
6
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

AZURE

▼ TERMINAL

['n', 'i', 'w', 's', 'a']

PS C:\Users\asus> ^C

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task5.py

Enter the list:aswin

niwsa

○ PS C:\Users\asus> █

task4.py ×

```
1 lists=list(map(int,input("Enter the list in numbers:").split(',')))
2 s=sum(lists)
3 l=len(lists)
4 print("Sum of the list is:",s)
5 print("Avarage of the list is:",s/l )
```

AZURE

Python ! + v [] [] ... v OUT

```
py
Enter the list in numbers:8,9,6,2,1
Traceback (most recent call last):
  File "c:\Users\asus\Desktop\python\task4.py", line 1, in <module>
    lists=list(map(int,input("Enter the list in numbers:".split()))
                ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
ValueError: invalid literal for int() with base 10: '8,9,6,2,1'
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task4.py
py
Enter the list in numbers:6,8,6,2,3
Sum of the list is: 25
Avarage of the list is: 5.0
○ PS C:\Users\asus>
```

task1.py X

C: > Users > asus > Desktop > python > task1.py > ...

```
1  str = "my name is aswin ashok kumar"
2  count1 = str.count("a")
3  count2 =str.count("e")
4  count3=str.count("i")
5  count4=str.count("o")
6  count5=str.count("u")
7
8  total_vowels = count1 + count2 + count3 + count4 + count5
9  countnon=0
10 for char in str:
11     if char.isalpha() and char not in "aeiou":
12         countnon += 1
13
14 print("vowels:" , total_vowels)
15 print("consonants " , countnon)
```

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE

TERMINAL

task1.py

File "c:\Users\asus\Desktop\python\task1.py", line 14

print("vowels:" total_vowels)

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

SyntaxError: invalid syntax. Perhaps you forgot a comma?

PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/

task1.py

vowels: 9

consonants 14

PS C:\Users\asus>

task5.py task6.py X

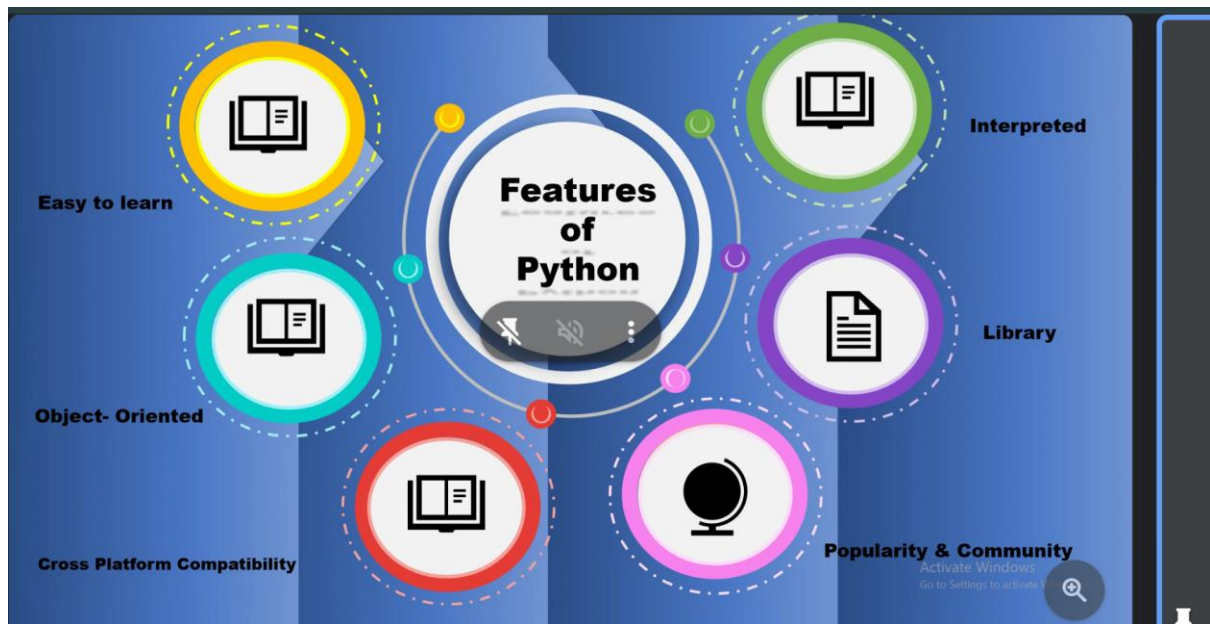
C: > Users > asus > Desktop > python > task6.py > ...

```
1 def remove_dup(n):
2     result=[]
3     for num in n:
4         if num not in result:
5             result.append(num)
6     return result
7 val=[5,8,5,10,10,5,9,1,6]
8
9 print(remove_dup(val))
```

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE

▼ TERMINAL

```
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/
task6.py
[]
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/
task6.py
[5, 8, 10, 9, 1, 6]
PS C:\Users\asus>
```



palindrome.py

remove_unwanted.py X

C: > Users > asus > Desktop > python > remove_unwanted.py > ...

```
1  str="hello  world world"
2
3  def remove_dup(a):
4      result=""
5
6      for value in a:
7          if value not in result:
8              result+=value
9      return result
10
11 print("results : ", (remove_dup(str)))
```

PROBLEMS

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▼ TERMINAL

```
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/remove
_unwanted.py
results : h
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/remove
_unwanted.py
results : a
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/remove
_unwanted.py
results : helo wrd
PS C:\Users\asus>
```

palindrome.py X

C: > Users > asus > Desktop > python > palindrome.py > ...

```
1  str="AswsA"
2  str1=str[4]
3  str2=str[-5]
4
5  if str1==str2:
6      print("palindrome")
7
8  else:
9      print("not palindrome")
10
```

PROBLEMS

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▼ TERMINAL

▼ OUTPUT

```
● PS C:\Users\asus> & C:/Python312/python.exe c:/Use
rs/asus/Desktop/python/palindrome.py
palindrome
● PS C:\Users\asus> & C:/Python312/python.exe c:/Use
rs/asus/Desktop/python/palindrome.py
not palindrome
● PS C:\Users\asus> & C:/Python312/python.exe c:/Use
rs/asus/Desktop/python/palindrome.py
palindrome
○ PS C:\Users\asus>
```


palindrome.py X

C: > Users > asus > Desktop > python > palindrome.py > ...

```
1  n=input("Enter the String:")
2
3
4  if n==n[::-1]:
5      print("palindrome")
6
7  else:
8      print("not palindrome")
9
```

PROBLEMS

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SEARCH ERROR

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▼ TERMINAL

Python + - □ □ ...

```
rs/asus/Desktop/python/palindrome.py
not palindrome
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/palind
rome.py
palindrome
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/palind
rome.py
Enter the String:AvalavA
palindrome
○ PS C:\Users\asus> 
```

C: > Users > asus > Desktop > python > task49b.py > ...

```
1  import re
2
3  def matches(s):
4      pattern = r'a(b)?'
5      return bool(re.search(pattern, s))
6  input_string = "ab"
7  if matches(input_string):
8      print(f'"{input_string}" matche')
9  else:
10     print(f'"{input_string}" not match')
11
```

PROBLEMS

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AZURE

▼ **TERMINAL**

- PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task49b.py
"ab" matche
- PS C:\Users\asus>

task44.py task45.py task46.py task48.py

C: > Users > asus > Desktop > python > task29a.py > ...

```
1  import re
2
3  def contains_only_valid_characters(s):
4      pattern = r'^[a-zA-Z0-9]+$'
5      return bool(re.match(pattern, s))
6  inputs = "Hello"
7  if contains_only_valid_characters(inputs):
8      print(f'"{inputs}" valid ')
9  else:
10     print(f'"{inputs}" invalid')
11
```

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE

▼ **TERMINAL**

- PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/pyt
"Hello" valid
- PS C:\Users\asus>

```
1 def countwords(file_name):
2     total_words = 0
3     with open(file_name, 'r') as file:
4         for line in file:
5             total_words += len(line.split())
6     return total_words
7 result = countwords('story.txt')
8 print("Totalwords:", result)
9
```

✓ **TERMINAL** Python ... **OUTPUT**

C:\Users\user\

task46.py

```

1 def with_e(file_name):
2     count = 0
3     with open(file_name, 'r') as file:
4         for line in file:
5             words = line.split()
6             count += sum(1 for word in words if word.endswith('e'))
7     return count
8
9 result = with_e('story.txt')
10 print(" with 'e':", result)
11

```

▼ **TERMINAL**

▼ **OUTPUT**

```
PS C:\Users\asus> ^C
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python
/task47.py
    with 'e': 0
PS C:\Users\asus> 
```

C: > Users > asus > Desktop > python > task46.py > ...

```
1 def with_t(file_name):
2     count = 0
3     for line in open(file_name):
4         if not line.startswith('T'):
5             count += 1
6     return count
7
8 result = with_t('story.txt')
9 print("Number with T:", result)
10
```

PROBLEMS

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TERMINAL

PORTS

SEARCH ERROR

AZURE

▼ TERMINAL

Python + - [] [X] []

negative no: -16

PS C:\Users\asus> ^C

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python /task46.py

Number with T: 1

○ PS C:\Users\asus> []

task37.py

task38.py

task39.py

task40.py

task41.py

task42.py

C: > Users > asus > Desktop > python > task45.py > ...

```
1 numbers = [10, -5, 3, -8, 7, -2, 6, -1]
2 positive = sum(filter(lambda x: x > 0, numbers))
3 negative = sum(filter(lambda x: x < 0, numbers))
4
5 print("positive no:", positive)
6 print("negative no:", negative)
7
```

PROBLEMS

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PORTS

SEARCH ERROR

AZURE

▼ TERMINAL

▼ OUTPUT

PS C:\Users\asus> ^C

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python /task45.py

positive no: 26

negative no: -16

○ PS C:\Users\asus> []

```
task37.py task38.py task39.py task40.py task41.py task42.py task43.py
C: > Users > asus > Desktop > python > task44.py > ...
1 numbers = [19, 26, 39, 52, 65, 76, 91, 104, 117, 130, 143]
2 divisiblnum = list(filter(lambda x: x % 19 == 0 or x % 13 == 0, numbers))
3 print("result:", divisiblnum)
4 |

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE
▼ TERMINAL OUTPUT
/task44.py
result: [19, 26, 39, 52, 65, 76, 91, 104, 117, 130, 143]
PS C:\Users\asus>

task37.py task38.py task39.py task40.py task41.py task42.py task43.py
C: > Users > asus > Desktop > python > task43.py > ...
1 fibonacci = lambda n: reduce(lambda x, _: x + [x[-1] + x[-2]], range(n - 2), [0, 1]) if n > 1 else [0][:n]
2 from functools import reduce
3
4 n = int(input("Enter the no, "))
5 print("Fibonacci series:", fibonacci(n))
6 |

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE
▼ TERMINAL OUTPUT Python + - [ ] [ ] ... ▼ OUTPUT
/task43.py
Enter the no,55
Fibonacci series: [0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181, 6765, 10946, 17711, 28657, 46368, 75025, 121393, 196418, 317811, 514229, 832040, 1346269, 2178309, 3524578, 5702887, 9227465, 14930352, 24157817, 39088169, 63245986, 102334155, 165580141, 267914296, 433494437, 701408733, 1134903170, 1836311903, 2971215073, 4807526976, 7778742049, 12586269025, 20365011074, 32951280099, 53316291173, 86267571272]
PS C:\Users\asus>
```

C: > Users > asus > Desktop > python > task42.py > ...

```
1 numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
2 squares = list(map(lambda x: x**2, numbers))
3 cubes = list(map(lambda x: x**3, numbers))
4 print("Squared num:")
5 print(squares)
6 print("Cubed no,:")
7 print(cubes)
8
```

PROBLEMS

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PORTS

SEARCH ERROR

AZURE

✓ TERMINAL

```
PS C:\Users\asus> ^C
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python
/task42.py
Squared num:
[1, 4, 9, 16, 25, 36, 49, 64, 81, 100]
Cubed no,:
[1, 8, 27, 64, 125, 216, 343, 512, 729, 1000]
○ PS C:\Users\asus> 
```

```
sk33.py task34.py task35.py task36.py task37.py task38.p
C: > Users > asus > Desktop > python > task41.py > ...
1 phones = [
2     {'make': 'Nokia', 'model': 216, 'color': 'Black'},
3     {'make': 'Mi Max', 'model': '2', 'color': 'Gold'},
4     {'make': 'Samsung', 'model': 7, 'color': 'Blue'}
5 ]
6 sorted_phones = sorted(phones, key=lambda x: int(x['model']))
7 print("Sorted list of dictionaries:")
8 print(sorted_phones)
9

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE
▼ TERMINAL Python + ▢ 🗑️ ... ▼
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python
/task41.py
Sorted list of dictionaries:
[{'make': 'Mi Max', 'model': '2', 'color': 'Gold'}, {'make': 'Samsung',
'model': 7, 'color': 'Blue'}, {'make': 'Nokia', 'model': 216, 'color': '
Black'}]
○ PS C:\Users\asus>

C: > Users > asus > Desktop > python > task40.py > ...
1 subjects = [('English', 88), ('Science', 90), ('Maths', 97), ('Social sciences', 82)]
2
3 sorted_subjects = sorted(subjects, key=lambda x: x[1])
4
5 print("Sorted:")
6 print(sorted_subjects)
7 |

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE
▼ TERMINAL OUTPUT
● /task40.py
Sorted:
[('Social sciences', 82), ('English', 88), ('Science', 90), ('Maths', 97
)]
○ PS C:\Users\asus> |
```


C: > Users > asus > Desktop > python > task39.py > Halfintiter > __next__

```
1 class Halfintiter:
2     def __init__(self, start, end, step):
3         self.current = start
4         self.end = end
5         self.step = step
6
7     def __iter__(self):
8         return self
9
10    def __next__(self):
11        if self.current > self.end:
12            raise StopIteration
13        value = self.current
14        self.current += self.step
15        return value
16
17 if __name__ == "__main__":
18     iterator = Halfintiter(1, 10, 0.5)
19     for number in iterator:
20         print(number, end=" ")
```

PROBLEMS

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PORTS

SEARCH ERROR

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TERMINAL

PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task39.py

1 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0

PS C:\Users\asus> █

C: > Users > asus > Desktop > python > task38.py > AlphabetIterator > __next__

```
1 class AlphabetIterator:
2     def __init__(self):
3         self.current = ord('A')
4         self.end = ord('Z')
5
6     def __iter__(self):
7         return self
8
9     def __next__(self):
10        if self.current > self.end:
11            raise StopIteration
12        char = chr(self.current)
13        self.current += 1
14        return char
15
16 if __name__ == "__main__":
17     alphabet_iter = AlphabetIterator()
18     for letter in alphabet_iter:
19         print(letter, end=" ")
20
```

PROBLEMS

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PS C:\Users\asus> ^C

PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task38.py

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

PS C:\Users\asus>

• TERMINAL

```
● /task37.py
Circle:
Area: 78.53981633974483
Perimeter: 31.41592653589793

Triangle:
Area: 6.0
Perimeter: 12
○ PS C:\Users\asus> 
```

C: > Users > asus > Desktop > python > task36.py > Animal > sound

```
1  from abc import ABC, abstractmethod
2  class Animal(ABC):
3      @abstractmethod
4      def sound(self):
5          pass
6  class Lion(Animal):
7      def sound(self):
8          return "Roar"
9
10 class Tiger(Animal):
11     def sound(self):
12         return "Growl"
13
14 if __name__ == "__main__":
15     lion = Lion()
16     tiger = Tiger()
17     print("Lion:", lion.sound())
18     print("Tiger:", tiger.sound())
19
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS






SEARCH ERROR

AZURE

TERMINAL

Py

```
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/task36.py
Lion: Roar
Tiger: Growl
PS C:\Users\asus>
```

 task31.py task32.py task33.py task34.pyC: > Users > asus > Desktop > python >  task35.py > ...

```
1  from abc import ABC, abstractmethod
2
3  class PaymentMethod(ABC):
4      @abstractmethod
5      def processPayment(self, amount):
6          pass
7
8  class CreditCardPayment(PaymentMethod):
9      def processPayment(self, amount):
10         print(f"Processing cr card payment{amount:.2f}")
11
12  class PayPalPayment(PaymentMethod):
13      def processPayment(self, amount):
14         print(f"Processing PayPal payment{amount:.2f}")
15
16  if __name__ == "__main__":
17      payment1=CreditCardPayment()
18      payment2=PayPalPayment()
19
20      payment1.processPayment(100)
21      payment2.processPayment(250)
22
```

PROBLEMS

DEBUG CONSOLE


TERMINAL

PORTS

SEARCH ERROR

AZURE

✓ TERMINAL

 Python +

```
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/pyt
/task35.py
Processing cr card payment100.00
Processing PayPal payment250.00
○ PS C:\Users\asus>
```

C: > Users > asus > Desktop > python > task34.py > ...

```
1 class MathUtils:
2     @staticmethod
3     def calculateSum(numbers):
4         return sum(numbers)
5 if __name__ == "__main__":
6     numbers = [1, 2, 3, 4, 5]
7     result = MathUtils.calculateSum(numbers)
8     print(f"Sum :{result}")
9
```

PROBLEMS

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✓ TERMINAL

Python + ✓

PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python
/task34.py

Sum :15

PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python
/task34.py

Sum :15

PS C:\Users\asus>

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users
/task33.py

Circle Area:78.54

Rectangle Area:24.00

○ PS C:\Users\asus> █

```
task31.py task32.py X task33.py task34.py task35.py task36.py
C: > Users > asus > Desktop > python > task32.py > ...
1 class Book:
2     def __init__(self, title,author,year):
3         self.title =title
4         self.author =author
5         self.year = year
6
7     def getBookInfo(self):
8         return f"Title:{self.title},Author:{self.author},Year:{self.year}"
9
10
11 if __name__ == "__main__":
12     b1 = Book("2024","George Ohgv",2024)
13     b2 = Book("story 2","gv Lee",2023)
14
15     print(b1.getBookInfo())
16     print(b2.getBookInfo())
17
PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE
TERMINAL Python + - [ ] [ ] ... OUTPUT
/task32.py
Title:2024,Author:George Ohgv,Year:2024
Title:story 2,Author:gv Lee,Year:2023
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python
```

```
/task31.py
product:lap - 555 *2
product:mouse - 100 *1
price: 1210
add pro:
product:lap - 555 *2
product:mouse - 100 *1
product:mmm - 400 *1
price: 1610
Removed:
product:mouse - 100 *1
product:mmm - 400 *1
price: 500
PS C:\Users\asus> [ ]
```

C: > Users > asus > Desktop > python > task30.py > ...

```
1  n=input("Enter the string:")
2  def vowelconson(n):
3      vowels='AEIOUaeiou'
4      vowel_c=0
5      consolant_c=0
6
7      for i in n:
8          if i in vowels:
9              vowel_c +=1
10         else:
11             consolant_c +=1
12     return vowel_c,consolant_c
13
14 vowel_c,consolant_c=vowelconson(n)
15 print('vowels:',vowel_c)
16 print("Conso:",consolant_c)
```

PROBLEMS

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SEARCH ERROR

▼ **TERMINAL**

```
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus
.py
Enter the string:Aswin Ashok kumar
vowels: 6
○ Conso: 11
PS C:\Users\asus>
```


C: > Users > asus > Desktop > python > task49b.py > ...

```
1  import re
2
3  def matches(s):
4      pattern = r'a(b)?'
5      return bool(re.search(pattern, s))
6  input_string = "ab"
7  if matches(input_string):
8      print(f'"{input_string}" matche')
9  else:
10     print(f'"{input_string}" not match')
11
```

PROBLEMS

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PORTS

SEARCH ERROR

AZURE

✓ **TERMINAL**

```
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task49b.p
"ab" matche
○ PS C:\Users\asus>
```

task19_4.py

task19_5.py

task23.py

task24.py

task25

C: > Users > asus > Desktop > python > task29.py > calculator

```
1 def calculator():
2     a=int(input("Enter the first number:"))
3     b=int(input("Enter the second number:"))
4     op=input("Operator:")
5     c=0
6     print("result:",c)
7     if op=='+':
8         c=a+b
9         print("result:",c)
10    elif op == '-':
11        c=a-b
12        print("result:",c)
13    elif op == '*':
14        c=a*b
15        print("result:",c)
16    elif op == '/':
17        if b != 0:
18            c=a/b
19            print("result:",c)
20        else:
21            print("Error! Division by zero is not allowed.")
```

PROBLEMS

DEBUG CONSOLE




TERMINAL

PORTS

SEARCH ERROR

AZURE

▼ TERMINAL

 Python + ▼  

```
○ Enter the first number:5
Enter the second number:6
Operator:-
result: 0
result: -1
PS C:\Users\asus> |
```

C: > Users > asus > Desktop > python > task28.py > ...

```
1 lst = [1, 2, 2, 3, 4, 3, 5, 6, 4, 7]
2 result = []
3 for item in lst:
4     if item not in result:
5         result.append(item)
6 print("after removing duplicates:", result)
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

AZURE

✓ TERMINAL

Python + ▾

.py

3rdlargest: 7

secsmallest: 2

PS C:\Users\asus> ^C

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/t

.py

○ after removing duplicates: [1, 2, 3, 4, 5, 6, 7]

PS C:\Users\asus> █

task19_4.py

task19_5.py

task23.py

C: > Users > asus > Desktop > python > task27.py > ...

```
1  n=[5,6,8,3,1,8,2,7,4]
2  nn=sorted(n)
3  thirdlar=nn[-3]
4  secsmall=nn[1]
5  print("3rdlargest:",thirdlar)
6  print("secsmallest:",secsmall)
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

✓ **TERMINAL**

```
.py
3rdlargest: 7
secsmallest: 2
PS C:\Users\asus> 
```

task19_4.pytask19_5.pytask23.pytask24.py

C: > Users > asus > Desktop > python > task26.py > ...
1 s=["Aswin","ASHok","HOw Are You"]
2 for word in s:
3 for char in word:
4 if char.isupper():
5 print(char)

PROBLEMSDEBUG CONSOLETERMINALPORTSSEARCH ERRORAZURE

Python +
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/pythor
.py
A
A
A
S
H
H
O
A
Y
PS C:\Users\asus>

task19_5.py

task23.py

task24.py

C: > Users > asus > Desktop > python > task25.py >

```
1 n = "Aswin Ashok"
2 for char in set(n):
3     print(f"Letter: {char}, Count: {n.count(char)}")
4
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

✓ TERMINAL

✓ OUTPUT

```
Letter: n, Count: 1
Letter: A, Count: 2
Letter: h, Count: 1
Letter: , Count: 1
Letter: o, Count: 1
Letter: i, Count: 1
Letter: k, Count: 1
```

task19_4.py task19_5.py task23.py

C: > Users > asus > Desktop > python > task24.py > ..

```
1  def list_comp():
2      squares = []
3      for x in range(1, 11):
4          squares.append(x**2)
5      return squares
6
7  print(list_comp())
8  |
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SE

✓ TERMINAL



Python



OUTPUT

cal variable 'x' where it is not as
sociated with a value

● PS C:\Users\asus> & C:/Python312/py
thon.exe c:/Users/asus/Desktop/pyth
on/task24.py

[1, 4, 9, 16, 25, 36, 49, 64, 81, 1
00]

○ PS C:\Users\asus> |

C: > Users > asus > Desktop > python > task23.py > ...

```
1  number = input("Enter a number: ")
2
3  while len(number) > 0:
4      print(number)
5      number = number[1:]
6
```

PROBLEMS

DEBUG CONSOLE

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PORTS

SEARCH ERROR

▼ **TERMINAL**

.py

Enter a number: 13579

13579

3579

579

79

9

○ PS C:\Users\asus>

me to Settings Sync

task18.py

task18_1.py

task19_2.py

C: > Users > asus > Desktop > python > task22.py > primenum

```
1  def primenum():
2      num =int(input("Enter the number: "))
3
4      if num<=1:
5          print("Not a prime number")
6          return
7
8      for i in range(2,int(num ** 0.5)+1):
9          if num%i==0:
10             print("Not a prime number")
11             return
12
13         print("Prime number")
14
15 primenum()
16
```

PROBLEMS

DEBUG CONSOLE

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PORTS

SEARCH ERROR

AZURE

✓ TERMINAL

Python

```
.py
Enter the number: 1
Not a prime number
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/p
.py
Enter the number: 2
Prime number
PS C:\Users\asus>
```

Welcome to Settings Sync

task18.py

task18_1.py

task18_2.py

C: > Users > asus > Desktop > python > task21.py > ...

```
1  n =int(input("Enter the number: "))
2
3  def factorial(n):
4      if n==0 or n==1:
5          return 1
6      else:
7          return n*factorial(n-1)
8
9  print(f"The factorial of{n} is:{factorial(n)}")
10
```

PROBLEMS

DEBUG CONSOLE

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PORTS

SEARCH ERROR

AZURE

▼ TERMINAL

Python

```
TypeError: factorial() takes 0 positional arguments but 1 was given
⊗ PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/
.py
Enter the number:5
Traceback (most recent call last):
  File "c:\Users\asus\Desktop\python\task21.py", line 7, in <module>
    print(factorial())
            ^^^^^^^^^
TypeError: factorial() missing 1 required positional argument: 'n'
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/
.py
Enter the number: 5
The factorial of 5 is: 120
○ PS C:\Users\asus> 
```

⊗ 0 ▲ 0 🔊 0 🔗 Live Share ⚡ BLACKBOX Chat ➕ Add Logs 🛠 Improve Code ➦ Share

Welcome to Settings Sync

task18.py

task18_1.py

C: > Users > asus > Desktop > python > task20.py > ...

```
1  n=int(input("Enter the number:"))
2
3  def multiplicationtable(a):
4      for i in range(1,10):
5          a=n*i
6          print(f"{n} * {i} = {a}")
7  multiplicationtable(" ")
8
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

AZU

✓ TERMINAL

2 * 9 =

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/D

.py

Enter the number:2

2 * 1 = 2

2 * 2 = 4

2 * 3 = 6

2 * 4 = 8

2 * 5 = 10

2 * 6 = 12

2 * 7 = 14

2 * 8 = 16

2 * 9 = 18

○ PS C:\Users\asus> █

☰ Welcome to Settings Sync

🔗 task18.py

🔗 task1

C: > Users > asus > Desktop > python > 🔗 task19_5.py > ...

```
1  rows = 5
2
3  for i in range(rows,0,-1):
4      for j in range(i,rows+1):
5          print(j,end=" ")
6      print()
7
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERRORS

▼ **TERMINAL**

```
● PS C:\Users\asus> & C:/Python312/python.exe c:/User
_5.py
5
4 5
3 4 5
2 3 4 5
1 2 3 4 5
```

```
● PS C:\Users\asus> & C:/Python312/python.exe c:/User
Error
```

task18.py task18_1.py X

C: > Users > asus > Desktop > python > task18_1.py > ...

1 rows = 5

2

3 for i in range(1, rows + 1):

4 print(" " * (rows - i) + "*" * (2 * i - 1))

5

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

AZURE

✓ TERMINAL

Python + v

*
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python_1.py
*

PS C:\Users\asus>

☰ Welcome to Settings Sync

🔗 task18.py

🔗 task18_1.p

C: > Users > asus > Desktop > python > 🔗 task19_2.py > ...

```
1 row = 5
2 num = 1
3
4 for i in range(1,row+1):
5     for j in range(i):
6         print(num, end=" ")
7         num+= 1
8     print()
9
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

▼ **TERMINAL**

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/as
_2.py

1

2 3

4 5 6

7 8 9 10

11 12 13 14 15

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/as

```
File Edit Selection View Go Run ...
Welcome to Settings Sync task18.py task18_1.py X
C: > Users > asus > Desktop > python > task18_1.py > ...
1 rows = 5
2
3
4 for i in range(1, rows + 1):
5     print("* " * i)
6
7 for i in range(rows - 1, 0, -1):
8     print("* " * i)
9

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE
v TERMINAL
* *
*
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/py
_1.py
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
PS C:\Users\asus> 
```

task18.py

×

Welcome to Settings Sync

C: > Users > asus > task18.py > fibonacci

1

2

3

4

5

6

7

8

9

10

11

12

13

```
def fibonacci():  
    a=1  
    b=1  
  
    for i in range(10):  
        c = a + b  
        print(c)  
        a, b = b, c  
  
fibonacci()
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

AZURE

✓ TERMINAL

89

144

● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/task

2

3

5

8

13

21

34

55

89

144

PS C:\Users\asus>

File Edit View

```
a=int(input("Enter a seqof number:"))
```

```
total=0
```

```
for digit in str(a):  
    total += int(digit)
```

```
print(total)
```

C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\asus\Desktop>py t17.py

Enter a seqof number:123

6

C:\Users\asus\Desktop>

File Edit Selection View Go Run ... < >

task8.py task9.py task10.py task11.py

C: > Users > asus > Desktop > python > task16.py > ...
1 n=input("Enter a number:")
2
3 if n==n[::-1]:
4 print("palindrome")
5 else:
6 print("not palindrome")

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE

Python + ▢

module>
 if n==str[::-1]:
 ~~~^^^^^^  
TypeError: type 'str' is not subscriptable  
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task16.py  
Enter a number:131  
palindrome  
PS C:\Users\asus>

File Edit Selection View Go Run ...

task7.py task8.py task9.py task10.py

C: > Users > asus > Desktop > python > task15.py > ...  
1 n=int(input("Enter the number:"))  
2 total=0  
3  
4 for digit in str (n):  
5 total+=int(digit)\*\*len(str(n))  
6  
7 if n==total:  
8 print("Armstrong")  
9 else:  
10 print("Not a Armstrong")

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE

Python

TypeError: object of type 'int' has no len()  
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Des  
ktop/python/task15.py  
Enter the number:155  
Not a Armstrong  
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Des  
ktop/python/task15.py  
Enter the number:153  
Not a Armstrong  
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Des  
ktop/python/task15.py  
Enter the number:153  
Armstrong  
PS C:\Users\asus>

task6.pytask7.pytask8.pytask9.py

C: > Users > asus > Desktop > python > task14.py > ...  
1 a=['x','y','z']  
2 b=[1,2,3]  
3 result={}  
4  
5 for i in range(len(a)):  
6 result[a[i]]=b[i]  
7 print(result)

PROBLEMSDEBUG CONSOLETERMINALPORTSSEARCH ERRORAZURE

▼ TERMINAL  
^^^^^^  
TypeError: 'int' object is not iterable  
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task14.py  
{'x': [1], 'y': [2], 'z': [3]}  
PS C:\Users\asus>

File Edit Selection View Go Run ... Search

task5.py task6.py task7.py task8.py task9.py task10.py

C: > Users > asus > Desktop > python > task13.py > ...  
1 dic1 = {  
2 'i1': {'name': 'brush', 'price': 5000},  
3 'i2': {'name': 'powder', 'price': 500},  
4 'i3': {'name': 'gls', 'price': 10000},  
5 }  
6  
7 pricess = [item['price'] for item in dic1.values()]  
8  
9 max = max(pricess)  
10  
11 print(f"greater: {max}")  
12

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE

✓ TERMINAL  
  
prices = dic1['price']  
~~~~~  
⊗ KeyError: 'price'
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task13.py
Traceback (most recent call last):
File "c:\Users\asus\Desktop\python\task13.py", line 9, in <module>
prices = dic1['price']
~~~~~  
⊗ KeyError: 'price'  
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task13.py  
greater: 10000  
PS C:\Users\asus>

File Edit Selection View Go Run ...

task5.py

task6.py

task7.py

task8.py

C: > Users > asus > Desktop > python > task12.py > ...

```
1 def unique(a,b):
2
3     if a!=b:
4         return True
5     else:
6         return False
7
8
9 a=input("enter the sr1:")
10 b=input("enter the dr2:")
11 print(unique(a,b))
```

PROBLEMS

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH ERROR

AZURE

▼ TERMINAL

False

PS C:\Users\asus> ^C

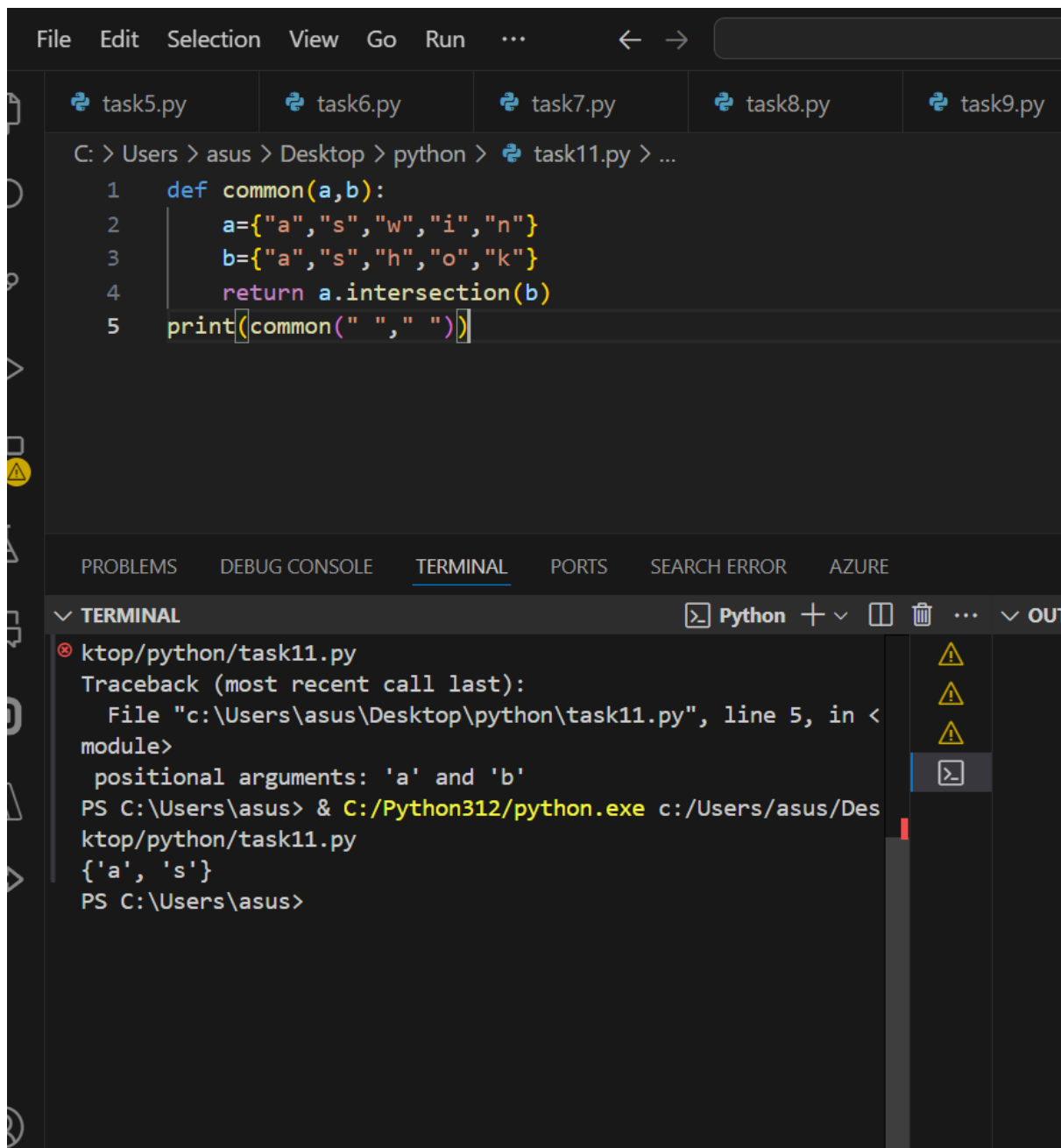
○ PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop

enter the sr1:1,2,3,4,5

enter the dr2:6,7,8,9,10

True

PS C:\Users\asus> █



task5.pytask6.pytask7.pytask8.pytask9.py

C: > Users > asus > Desktop > python > task10.py > ...

1 list = [("Aswin", 23), ("asc", 30), ("abc", 35), ("mmm", 40)]

2

3 for person in list:

4 | ages = [person[1] ]

5 total\_age = sum(ages)

6 average\_age = total\_age / len(ages)

7

8 print(f"average : {average\_age:.2f}")

9 |

PROBLEMSDEBUG CONSOLETERMINALPORTSSEARCH ERRORAZURE

TERMINAL

total\_age = sum(ages)

^^^^^^^^

TypeError: unsupported operand type(s) for +: 'int' and 'tuple'

PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task10.py

average : 40.00

PS C:\Users\asus>

0 0 0Live ShareBLACKBOX ChatAdd LogsImprove CodeSearch ErrorShare Code Li



File Edit Selection View Go Run ... ← →

task5.py task6.py task7.py task8.py

C: > Users > asus > Desktop > python > task9.py > ...  
1 my\_tuple=(1,5,9,12,10,5,9,9)  
2 tup=my\_tuple.count(9)  
3 print("tupple appear:",tup)  
4

PROBLEMS DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR

✓ **TERMINAL**

PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task9.py  
3  
● PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/task9.py  
tuple appear: 3  
○ PS C:\Users\asus>

⚠  
⚠  
📄

✓ **OUTPUT**

FileEditSelectionViewGoRun...<=>Search

task5.pytask6.pytask7.pytask8.pyX

C: > Users > asus > Desktop > python > task8.py > ...  
1 a1 = [1, 1, 6, 8, 6, 9, 9, 99, 8, 2, 3, 6, 5, 5, 2, 0]  
2 a2 = int(input("Enter the number: "))  
3  
4 def counting(a1, a2):  
5 return a1.count(a2)  
6  
7 print(f"Element appear:" ,counting(a1, a2))  
8

PROBLEMSDEBUG CONSOLETERMINALPORTSSEARCH ERRORAZURE

Python+[]...OUTPUT

^  
SyntaxError: invalid syntax. Perhaps you forgot a comma?  
PS C:\Users\asus> & C:/Python312/python.exe c:/Users/asus/Desktop/python/  
task8.py  
Enter the number: 5  
Element appear: 2  
PS C:\Users\asus>