D: > sam > python > 🐍 tes1.py > ...

```python
1  #ass-4 1st question
2  s1="hi hello"
3  a=len(s1)
4  print(a)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes1.py
8
PS C:\Users\hp>
```

D: > sam > python > tes5.py > ...

```python
# assignment-4 second question
def char_frequency(str1):
    dict = {}

    for n in str1:
        keys = dict.keys()

        if n in keys:
            dict[n] += 1
        else:
            dict[n] = 1

    return dict

print(char_frequency('google.com'))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes5.py
{'g': 2, 'o': 3, 'l': 1, 'e': 1, '.': 1, 'c': 1, 'm': 1}
```

D: > sam > python > tes6.py > ...

```python
#assignment-4 question third
def string_ends(str1):
    if len(str1)<2:
        return ''

    return str1[0:2]+str1[-2:]

print(string_ends('thisisniceone'))
print(string_ends('abab'))
print(string_ends('w'))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes6.py
thne
abab
```

D: > sam > python > 🐍 tes7.py > ...

```python
1   #assignment-4 fourth question
2   def char_change(str):
3       char=str[0]
4       str=str.replace(char,'$')
5       str=char+str[1:]
6       return str
7   print(char_change('restart'))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes7.py
resta$t
```

```python
1   #assignment-4 fifth question
2   def character_mix(a,b):
3       newvalue_a=b[:2]+a[2:]
4       newvalue_b=a[:2]+b[2:]
5       return newvalue_a+' '+newvalue_b
6   print(character_mix('abc','xyz'))
7
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
resta$t
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes8.py
xyc abz
```

D: > sam > python > 🐍 tes9.py > ...

```python
1    #assignment-4 sixth question
2    def add_string(str1):
3        #char=str1
4        length=len(str1)
5        if length>=3:
6            if str1[-3:]=='ing':
7                str1+='ly'
8            else:
9                str1+='ing'
10
11       return str1
12
13   print(add_string('abc'))
14   print(add_string('ab'))
15   print(add_string('string'))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes9.py
abcing
ab
stringly
```

D: > sam > python > 🐍 tes10.py > ...

```python
1   #assignment-4 seventh question
2   def first_appear(str1):
3       anot=str1.find('not')
4       apoor=str1.find('poor')
5       if apoor >anot and anot>0 and apoor>0:
6           str1=str1.replace(str1[anot:(apoor+4)],'good')
7           return str1
8       else:
9           return str1
10
11  print(first_appear('he is not that poor'))
12
13
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes10.py
he is good

D: > sam > python > 🐍 tes11.py > ...

```python
#ass-4 8th question
def longest_word(word_list):
    word_len=[]

    for n in word_list:
        word_len.append((len(n),n))

    word_len.sort()

    return word_len[-1][0],word_len[-1][1]
result=longest_word(["hello","thisisaperson","itswednesday"])

print("longest word:",result[1])
print("length of the longest word",result[0])
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes11.py
longest word: thisisaperson
length of the longest word 13
```

D: > sam > python > 🐍 tes13.py > ...

```python
1   #ass-4 9th question
2   def remove_char(string,n):
3       first=string[:n]
4       last=string[n+1:]
5       return first+last
6   print(remove_char('python',2))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes13.py
pyhon
PS C:\Users\hp>
```

D: > sam > python > 🐍 tes15.py > ...

```python
#ass-4 10th question
input_user=input("enter the string values separated by commas:")
words=[word for word in input_user.split(",")]
print(",".join(sorted(list(set(words)))))

```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes15.py
enter the string values separated by commas:red,white,black,red,green,black
black,green,red,white

D: > sam > python > 🐍 tes14.py > ...

```python
#ass-4 11th question
def reverse_string(str):
    if len(str)%4 == 0:
        return ''.join(reversed(str))
    else:
        return str

print(reverse_string('helo'))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes14.py
oleh
PS C:\Users\hp>
```

D: > sam > python > tes16.py > ...

```python
#ass-4 12th question
def upper_case(str):
    upper_num=0

    for letter in str[:4]:
        if letter.upper()==letter:
            upper_num+=1
    if upper_num>=2:
        return str.upper()
    return str
print(upper_case('HEllo'))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes16.py
HELLO

D: > sam > python > tes17.py > ...

```python
#ass-4 13th question
string="hello"
print(string.startswith('hel'))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
HELLO
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes17.py
True
```

D: > sam > python > tes18.py > ...

```python
1    #ass-4 14th question
2    x=round(3.1415926,2)
3    print(x)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
True
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes18.py
3.14
```

```python
#ass-4 15th question
def count_repeat_char(s):
    count={}
    result = []
    for char in s:
        if char in count:
            count[char]+=1
        else:
            count[char]=1
    for key,value in count.items():
        if value >= 2:
            result.append({key:value})

    print(result)
string="thequickbrownfoxjumpsoverthelazydog"
count_repeat_char(string)
```

Tabs: tes19.py | **tes20.py** | tes24.py | tes62.py | tes63.py | tes64.py | tes65.py | te

D: > sam > python > tes20.py > ...

```python
#ass-4 16th question
str1='hello'
s=str1.index('o')
print(s)

```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
[{'t': 2}, {'h': 2}, {'e': 3}, {'u': 2}, {'r': 2}, {'o': 4}]
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes20.py
4
```

D: > sam > python > 🐍 tes21.py > ...

```python
#ass-4 17th question
str="goodmorning"
x=list(str)
print(x)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
4
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes21.py
['g', 'o', 'o', 'd', 'm', 'o', 'r', 'n', 'i', 'n', 'g']
```

D: > sam > python > 🐍 tes22.py > 🔷 replace

```python
#ass-4 18th question
def replace(str):
    maketrans=str.maketrans
    result=str.translate(maketrans(',.','.,',''))
    return result.replace(',',",")
str="32.054,23"
print(replace(str))
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
['g', 'o', 'o', 'd', 'm', 'o', 'r', 'n', 'i', 'n', 'g']
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes22.py
32,054.23
```

D: > sam > python > 🐍 tes23.py > ...

```python
#ass-4 19th question
str="ai ab lhguygulguy by"
str1=("ai", "ab", "lhguygulguy"," by")

list1 = str.split()
print(max(str1,key=len))

print(sorted(str,reverse=True))


a=min(str1)
b=max(str1)
print("smallest word is:",a)
print("largest word is:",b)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
lhguygulguy
['y', 'y', 'y', 'u', 'u', 'u', 'l', 'l', 'i', 'h', 'g', 'g', 'g', 'b', 'b', 'a', 'a', ' ', ' ', ' ']
smallest word is:  by
largest word is: lhguygulguy
```

```python
#ass-4 20th question
string = "sameeksha"
p = ""
for char in string:
    if char not in p:
        p = p+char
print(p)
k = list(string)
```

D: > sam > python > tes24.py > ...

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
largest word is: lhguygulguy
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes24.py
samekh
```