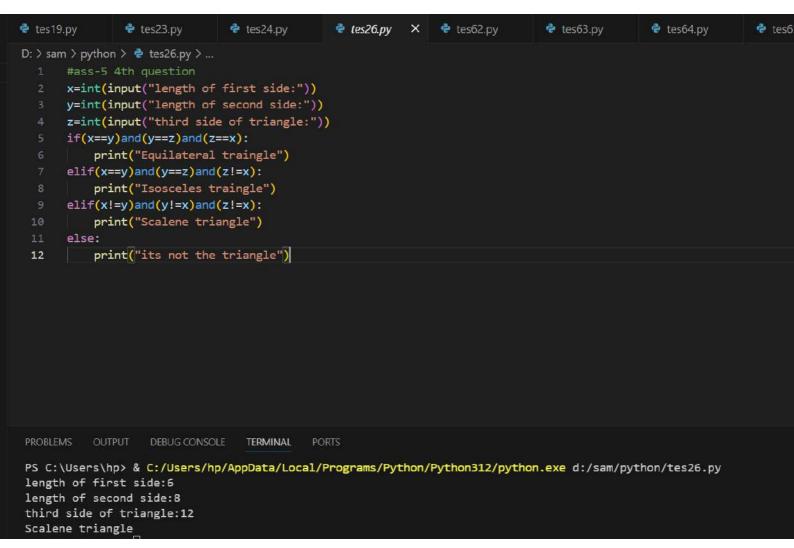
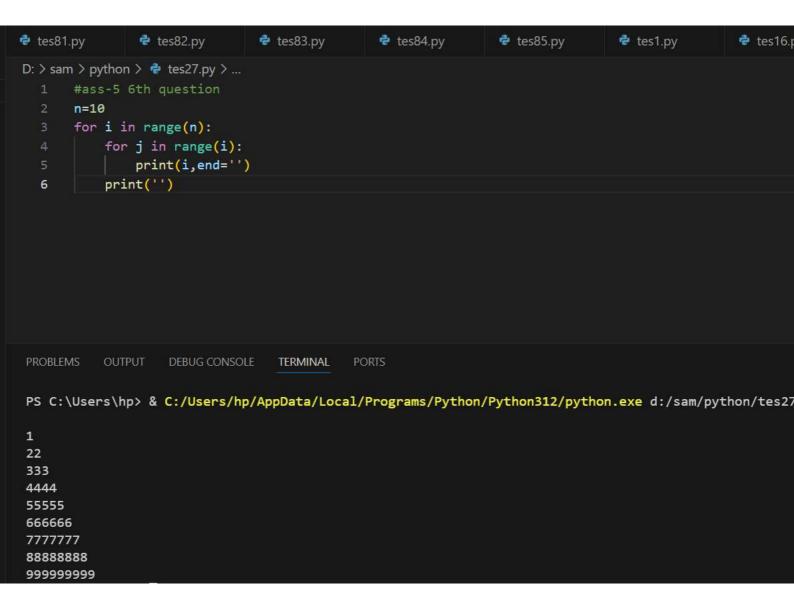
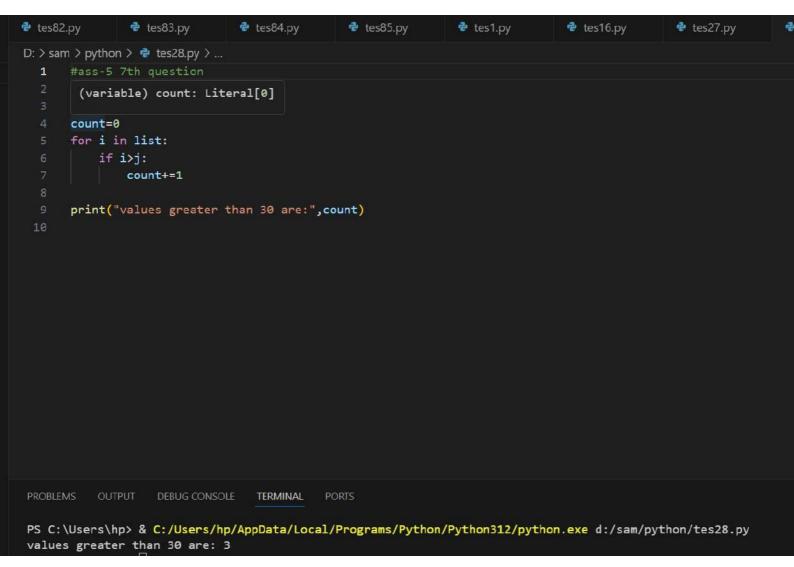


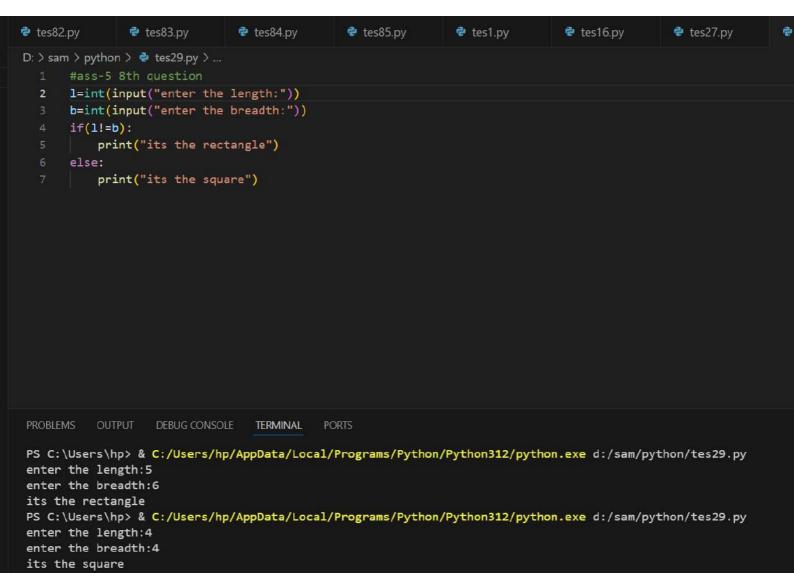
```
a te
des19.py
                tes23.py
                                tes24.py
                                                tes3.py
                                                            ×
                                                                tes62.py
                                                                                 tes63.py
                                                                                                 de tes64.py
D: > sam > python > 🏓 tes3.py > ...
       #assignment5 third question
       for i in range(0,50):
           if(i%3==0) and (i%5==0):
               print("fizzbuzz")
               continue
           elif(i%3==0):
               print("fizz")
               continue
           elif(i%5==0):
               print("buzz")
               print(i)
 12
           OUTPUT
                                  TERMINAL
5
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes3.py
fizzbuzz
1
2
fizz
4
buzz
fizz
8
fizz
buzz
11
fizz
13
```

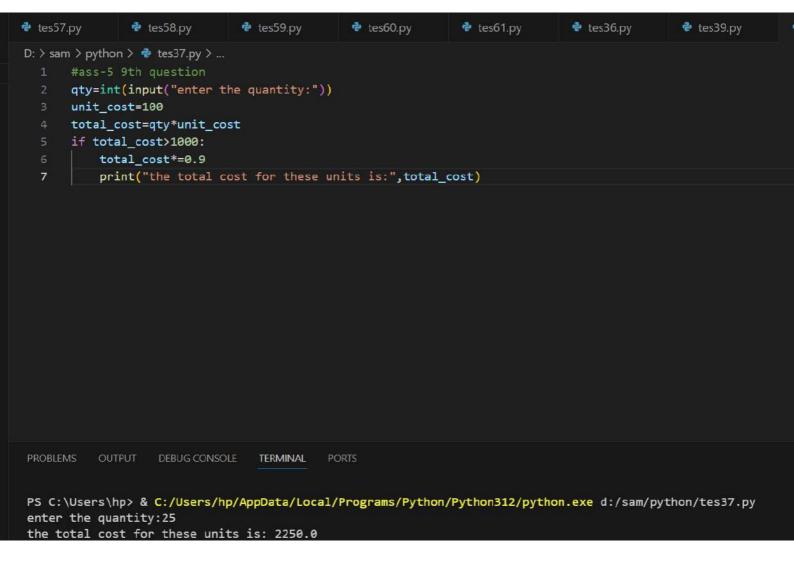


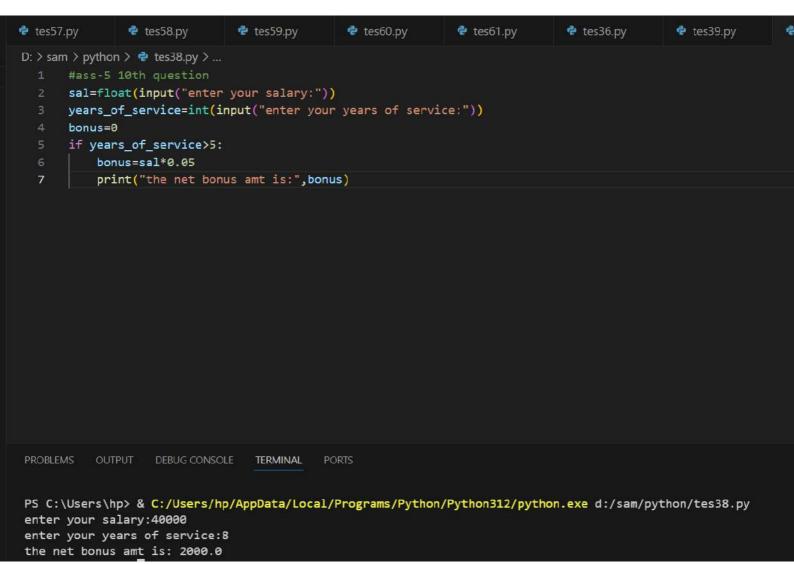
```
tes19.py
                🕏 tes23.py
                                de tes24.py
                                                🕏 tes4.py
                                                                 de tes62.py
                                                                                 tes63.py
                                                                                                  tes64.py
                                                                                                                  🕏 tes65.py
D: > sam > python > 🏓 tes4.py > ...
      count=0
      sum=0.0
      number=1
       while number!=0:
           number=int(input("enter the number:"))
           sum=sum+number
           count+=1
       if count==0:
           print("enter some number")
           print("average and sum of numbers are:",sum/(count-1),sum)
          OUTPUT DEBUG CONSOLE
                                  TERMINAL
enter the number:4
enter the number:5
enter the number:3
enter the number:0
average and sum of numbers are: 4.0 12.0
```



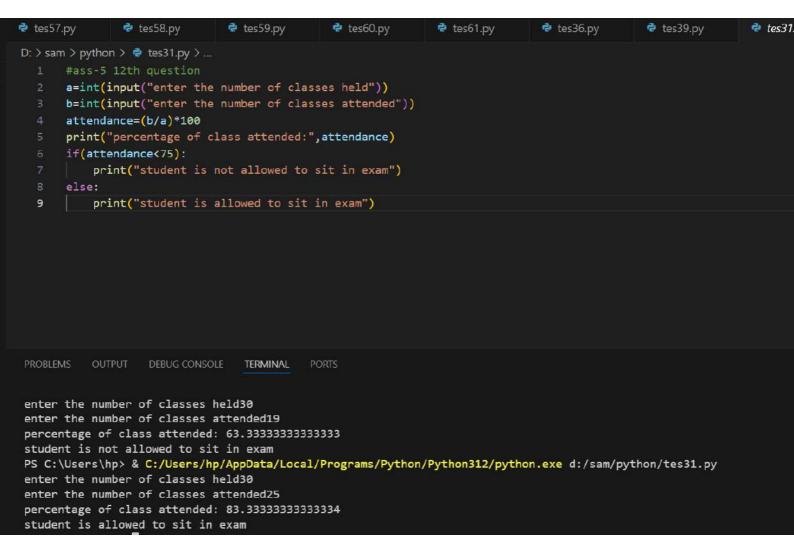








```
tes57.py
               tes58.py
                               de tes59.py
                                                tes60.py
                                                                tes61.py
                                                                                tes36.py
                                                                                                tes39.py
D: > sam > python > 📌 tes30.py > ...
  2 m=int(input("enter the mark"))
  3 \vee if(m>0)and(m<25):
          print("F")
  5 \vee elif(m>25)and(m<45):
          print("E")
  7 \sim elif(m>45)and(m<50):
           print("D")
  9 velif(m>50)and(m<60):
          print("C")
 11 \vee elif(m>60)and(m<80):
           print("B")
 13 velse:
          print("A")
 14
PROBLEMS
          OUTPUT DEBUG CONSOLE
                                  TERMINAL
                                            PORTS
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes30.py
enter the mark70
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes30.py
enter the mark98
```



```
🕏 tes57.py 🗙 ಿ tes58.py
                               🕏 tes59.py
                                                                                                              🕏 tes32
                                               tes60.py
                                                               tes61.py
                                                                               🕏 tes36.py
                                                                                               🕏 tes39.py
D: > sam > python > 🕏 tes32.py > ...
       sum=0
       for i in range(10):
          n=int(input("enter the number:"))
           sum=sum+n
       avg=sum/10
       print("average of these values are:",avg)
  8
          OUTPUT DEBUG CONSOLE
                                  TERMINAL
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes32.py
enter the number:3
enter the number:5
enter the number:10
enter the number:14
enter the number:25
enter the number:50
enter the number:72
enter the number:81
 enter the number:94
enter the number:43
average of these values are: 39.7
```

```
de tes59.py
tes57.py
                 tes58.py
                                                     tes60.py
                                                                                          tes36.py
                                                                                                            tes39.py
                                                                        tes61.py
D: > sam > python > 💠 tes33.py > ...
        a=int(input("enter the number:"))
        b=24
        c=50
        d=29
        for i in range(1,11):
            if(a==b):
                 print(a,'x',i,'=',a*i)
            elif(a==c):
                 print(a,'x',i,'=',a*i)
            elif(a==d):
                 print(a,'x',i,'=',a*i)
 13
PROBLEMS
            OUTPUT
                      DEBUG CONSOLE
                                      TERMINAL
enter the number: 24
24 \times 1 = 24
24 \times 2 = 48
24 \times 3 = 72
24 \times 4 = 96
24 \times 5 = 120
24 \times 6 = 144
24 \times 7 = 168
24 \times 8 = 192
24 \times 9 = 216
```

 $24 \times 10 = 240$

```
tes57.py
                 tes58.py
                                   de tes59.py
                                                    des60.py
                                                                      tes61.py
                                                                                       tes36.py
                                                                                                         de tes39.py
D: > sam > python > 🕏 tes33.py > ...
       a=int(input("enter the number:"))
       c=50
       d=29
       for i in range(1,11):
            if(a==b):
                print(a,'x',i,'=',a*i)
            elif(a==c):
                print(a,'x',i,'=',a*i)
            elif(a==d):
                print(a,'x',i,'=',a*i)
 13
            OUTPUT
                                     TERMINAL
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes33.py
enter the number:50
50 x 1 = 50
50 \times 2 = 100
50 \times 3 = 150
50 \times 4 = 200
50 \times 5 = 250
 50 \times 6 = 300
50 \times 7 = 350
50 \times 8 = 400
50 \times 9 = 450
```

50 x 10 = 500

```
tes33.p
de tes57.py
                des58.py
                                 de tes59.py
                                                  de tes60.py
                                                                                    tes36.py
                                                                                                      des39.py
                                                                   tes61.py
D: > sam > python > 🕏 tes33.py > ...
       a=int(input("enter the number:"))
       b=24
       c=50
       d=29
       for i in range(1,11):
           if(a==b):
                print(a,'x',i,'=',a*i)
           elif(a==c):
                print(a,'x',i,'=',a*i)
           elif(a==d):
                print(a,'x',i,'=',a*i)
 13
           OUTPUT DEBUG CONSOLE
                                    TERMINAL
PS C:\Users\hp> & C:\Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes33.py
enter the number:29
29 x 1 = 29
29 \times 2 = 58
29 \times 3 = 87
29 x 4 = 116
29 x 5 = 145
29 x 6 = 174
29 \times 7 = 203
29 \times 8 = 232
29 \times 9 = 261
```

 $29 \times 10 = 290$

```
tes58.py
                tes59.py
                                                                                                 tes33.py
                                tes60.py
                                                tes61.py
                                                                tes36.py
                                                                                 tes39.py
D: > sam > python > @ tes34.py > [6] count
       count=0
                  #ass-5 15th question
  1
       product=1
       sum=0
       while True:
               try:
                   num=input("enter the integer(or 'q' to quit):")
                   if num=='q':
                       break
                   else:
                       i=int(num)
                        sum+=i
 11
 12
                        product=product*i
                        count+=1
               except ValueError:
                   print("invalid value")
       if(count>0):
               avg=sum/count
               print("average of these are:",avg)
               print("product is:",product)
       else:
 21
               print("no valid data provided")
PROBLEMS
           OUTPUT
                   DEBUG CONSOLE
                                  TERMINAL
                                             PORTS
enter the integer(or 'q' to quit):5
enter the integer(or 'q' to quit):15
enter the integer(or 'q' to quit):20
enter the integer(or 'q' to quit):q
 average of these are: 13.333333333333333
product is: 1500
```

```
de tes59.py
                tes60.py
                                tes61.py
                                                tes36.py
                                                                tes39.py
                                                                                 tes33.py
                                                                                                 🕏 tes34.p
D: > sam > python > 🕏 tes35.py > ...
       #ass-5 16th question
       list=[]
       n=int(input("enter the number of elements in the list:"))
       for i in range(n):
           ele=input("enter the element")
           list.append(ele)
       search_item=input("enter the item name to search:")
       if search_item in list:
               list.remove(search_item)
               print("search_item removed from list")
 11
       print("modified list is:",list)
 12
PROBLEMS
           OUTPUT
                    DEBUG CONSOLE
                                   TERMINAL
enter the number of elements in the list:4
enter the element2
enter the elementcharu
enter the element4.9
enter the elementram
enter the item name to search:charu
search_item removed from list
modified list is: ['2', '4.9', 'ram']
```

```
tes59.py
               tes60.py
                              tes61.py
                                              † tes36.py X † tes39.py
                                                                            tes33.py
                                                                                            D: > sam > python > 🍖 tes36.py > ...
       list=[]
  2
       print("odd numbers in the list are:")
       for i in range(1,101+1):
          list.append(i)
           if i%2!=0:
              print(i,end=" ")
       list1=[]
       print("\neven numbers in the list are:")
       for i in range(1,101+1):
          list1.append(i)
          if i%2==0:
              print(i,end=" ")
       list2=[]
       print("\nprime numbers in the list are:")
       for num in range(2,101):
           prime = True
           for i in range(2, num):
              if (num%i==0):
                  prime = False
          OUTPUT
                                TERMINAL
odd numbers in the list are:
 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81
 83 85 87 89 91 93 95 97 99 101
 even numbers in the list are:
 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 8
 2 84 86 88 90 92 94 96 98 100
 prime numbers in the list are:
 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97
```

```
tes33.py
🕏 tes59.py
               🕏 tes60.py
                              tes61.py
                                               🕏 tes36.py 🗙 🗳 tes39.py
D: > sam > python > 📌 tes36.py > ...
           if i%2!=0:
               print(i,end=" ")
       list1=[]
       print("\neven numbers in the list are:")
       for i in range(1,101+1):
           list1.append(i)
           if i%2==0:
               print(i,end=" ")
       list2=[]
       print("\nprime numbers in the list are:")
       for num in range(2,101):
           prime = True
           for i in range(2, num):
               if (num%i==0):
                   prime = False
           if prime:
              print (num,end=" ")
```

🏞 tes62.py

de tes63.py

tes64.py

tes65.py

tes25.py

tes23.py

D: > sam > python > ♠ tes25.py > ...

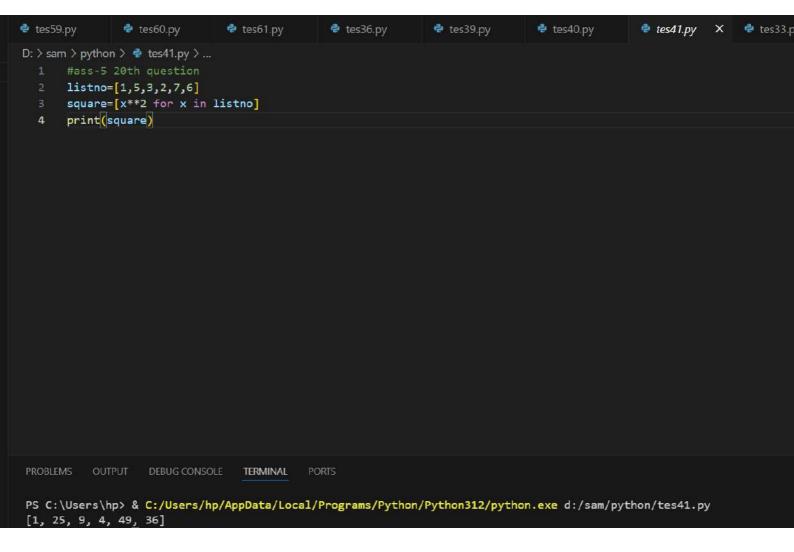
tes24.py

tes19.py

```
🅏 tes59.py
                                                                                                              tes34.py
               tes60.py
                               tes61.py
                                               tes36.py
                                                              des37.py
                                                                              tes39.py
                                                                                              tes33.py
D: > sam > python > 🕏 tes39.py > ...
 14 li5=[x for x in list3 if x%3==0]
      print("numbers divisible by 3 are:",li5)
      li6=[x for x in list3 if x%5==0]
      print("numbers divisible by 5 are:",li6)
      li7=[x for x in list3 if x%7==0]
      print("numbers divisible by 7 are:",li7)
 19
      li8=[x for x in list3 if x%9==0]
       print("numbers divisible by 9 are:",li8)
PROBLEMS OUTPUT
                                 TERMINAL
numbers divisible by 8 are: [8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88]
numbers divisible by 10 are: [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]
numbers divisible by 3 are: [6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 3, 9, 15, 21, 27, 33, 39, 45,
 51, 57, 63, 69, 75, 81, 87, 93, 99]
numbers divisible by 5 are: [10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 5, 15, 25, 35, 45, 55, 65, 75, 85, 95]
numbers divisible by 7 are: [14, 28, 42, 56, 70, 84, 98, 7, 21, 35, 49, 63, 77, 91]
numbers divisible by 9 are: [18, 36, 54, 72, 90, 9, 27, 45, 63, 81, 99]
```

```
tes59.py
                                                                                    tes40.py
                des60.py
                                 des61.py
                                                  tes36.py
                                                                   de tes39.py
                                                                                                     des33.py
D: > sam > python > 👶 tes40.py > ...
       list=[1,2,'sam','rani','rukmini',2.5,8.9]
       11=[]
       12=[]
       13=[]
       for item in list:
           if isinstance(item,int):
                11.append(item)
           if isinstance(item, str):
                12.append(item)
           if isinstance(item,float):
                13.append(item)
       print("int list is:",11)
       print("str list is:",12)
print("float list is:",13)
 15
           OUTPUT DEBUG CONSOLE
                                    TERMINAL
                                              PORTS
PS C:\Users\hp> & C:/Users/hp/AppData/Local/Programs/Python/Python312/python.exe d:/sam/python/tes40.py
int list is: [1, 2]
str list is: ['sam', 'rani', 'rukmini']
```

float list is: [2.5, 8.9]



```
tes59.py
                de tes60.py
                                 de tes61.py
                                                  tes36.py
                                                                   de tes37.py
                                                                                    tes39.py
                                                                                                    tes33.py
                                                                                                                     tes34.py
D: > sam > python > @ tes39.py > ...
         (variable) list2: list[int]
                                       20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50,52,54,56,58,60,62,64,66,68,70,72,74,76,
       list2=[1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59,61,63,65,67,69,71,73,75,7
       list3=list1+list2
       print("combination of two lists is:",list3)
       li1=[x for x in list3 if x%4==0]
       print("numbers divisible by 4 are:", li1)
       li2=[x for x in list3 if x%6==0]
       print("numbers divisible by 6 are:", li2)
       li3=[x for x in list3 if x%8==0]
       print("numbers divisible by 8 are:", li3)
       li4=[x for x in list3 if x%10==0]
       print("numbers divisible by 10 are:", li4)
       li5=[x for x in list3 if x%3==0]
       print("numbers divisible by 3 are:",li5)
       li6=[x for x in list3 if x%5==0]
       print("numbers divisible by 5 are:", li6)
       li7=[x for x in list3 if x%7==0]
       print("numbers divisible by 7 are:",117)
 19
       li8=[x for x in list3 if x%9==0]
                                    TERMINAL
                                                                                                                                   2
combination of two lists is: [2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46,
                                                                                                                                   Σ
 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 86, 98, 100, 1, 3, 5
                                                                                                                                   2
 , 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 6
5, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101] numbers divisible by 4 are: [4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92
                                                                                                                                   \Sigma
```

numbers divisible by 6 are: [6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90]

numbers divisible by 8 are: [8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88]

<u>入</u>

Σ