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import sys
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def sort list(l1):
    for i in range(len(l1)):
         for j in range(i+1,len(l1)):
              if l1[i]>l1[j]:
                  11[i], 11[j] = 11[j],
11[i]
    return 11
11 = [1, 2, 3, 60, 20, 4, 5]
12 = [10, 20, 30, 5, 3]
13 = [10, 20, 300, 5, 6]
a=sort list(l1)
print(a)
v=sort list(12)
print(v)
x=sort list(13)
print(x)
sys.exit(0)
11 = [1, 2, 3, 60, 20, 4, 5]
12 = [10, 20, 30, 5, 3]
13 = [10, 20, 300, 5, 6]
for i in range(len(l1)):
    for j in range(i+1, len(l1)):
         if 11[i]>11[i]:
             l1[i], l1[j]=l1[j], l1[i]
for i in range(len(12)):
    for j in range(i+1, len(12)):
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if 12[i]>12[j]:
             12[i],12[j]=12[j],12[i]
for i in range(len(13)):
    for j in range(i+1, len(13)):
         if 13[i]>13[j]:
             13[i], 13[j]=13[j], 13[i]
print(l1)
print(12)
print(13)
import sys
sys.exit(0)
S='AAABCBCCCD'
\#\{A:3,B:2,C:4,D:1\}
d=\{ \}
for i in s:
    if i in d.keys():
         d[i]=d[i]+1
    else:
         d[i]=1
print(d)
sys.exit(0)
11 = [1, 2, 3, 4, 1, 2, 3, 5, 4, 5, 5, 5, 5]
#ouput=[1,2,3,4,5]
12=[]
for i in 11: #A A A A
    if i not in 12:
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12.append(i) #
print(12)
S='AAABCCDDBBBEEFFGHHHHIIIJJ'
output='ABCDEFGHIJ'
1=[]
for i in s: #A A A A
    if i not in 1:
        l.append(i) #
output=''.join(1)
print(output)
sys.exit(0)
# home work--->
input1='One Two three four Five six'
output='One owT three ruof Five xis'
#imp---> from string---> number print,
char print, num+str---> sorted
s='B4A1D3456ZW' # output='ABD' --->
only numbers from string
s1=s2=output=''
for ch in s:
    if ch.isalpha():
        s1=s1+ch
    else:
        s2=s2+ch
print(s2)
s='B4A1D3456ZW'
                   # output='ABD' --->
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only char from string
s1=s2=output=''
for ch in s:
    if ch.isalpha():
        s1=s1+ch
    else:
        s2=s2+ch
print(s1)
s='B4A1D3456ZW'
                    # output='ABD134'
s1=s2=output=''
for ch in s:
    if ch.isalpha():
        s1=s1+ch
    else:
        s2=s2+ch
for i in sorted(s1):
    output=output+i
for j in sorted(s2):
    output=output+j
print(output)
sys.exit(0)
s1='PUNE'
s2='pune'
i, j=0, 0
output='' #PpUuNnEe pPuUnNeE
\#or---> t or t---> t, t or f---> t, f or
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f--->f ,f or t--->t
while i < len(s1) or j < len(s2):
    if j<len(s2):
         output = output + s2[j]
         \dot{j} = \dot{j} + 1
    if i<len(s1):
         output=output+s1[i]
         i = i + 1
print(output)
while i<len(s1) or j<len(s2):</pre>
    if i<len(s1):
         output=output+s1[i]
         i=i+1
    if j<len(s2):
         output = output + s2[j]
         j = j + 1
print(output)
# even possiotion and odd possiotion
char/str
s='pune mumbai'
i=1 # 0 to len(str)-1
while i<len(s):</pre>
    print(s[i]) #s[1] s[3] s[5] s[7]
                    \#i = 2
    i=i+2
sys.exit(0)
s='pune'
i=0 # 0 to len(str)-1
while i<len(s):</pre>
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print(s[i]) #s[0] s[2] s[4] s[6]
                  #i=2
    i=i+2
s='Pune'
print(s[::2]) #[start:end:step]---> even
possiotion
print(s[1::2]) #---> odd possiotion
sys.exit(0)
s='learning python at pune'
l=s.split() #['learning', 'python',
'at', 'pune']
11=[]
i=0
while i<len(1):</pre>
    11.append(l[i][::-1]) #['learning',
'python', 'at', 'pune']
    i=i+1
out=' '.join(l1)
print(out)
sys.exit(0)
s='learning python at pune'
out1='pune at python learning'
l=s.split() #['learning', 'python',
'at', 'pune']
i=len(1)-1 #0,1,2,3 ---> 1[0]--->
learning
11=[]
while i \ge 0:
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```
11.append(l[i])
    i=i-1
out=' '.join(l1)
print(out) #['pune', 'at', 'python',
'learning']
#reversed of string--->
str1='Pune'
#3---> [::-1], reversed, while
#print(str1[::-1])
#print(''.join(reversed(str1)))
i=len(str1)-1 #0 to len-1
str2='' #concat---> str1[i]
while i>=0: #3>=0 , 2>=0
    str2=str2+str1[i]
    i=i-1 #0-1---> -1
    print(str2)
print(str2)
import sys
sys.exit(0)
#merge charch of 2 strings
s1='Pune'
s2='Mumbai'
output=''
i, j = 0, 0
while i<len(s1) or j<len(s2):</pre>
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```
if i<len(s1):
         output=output+s1[i]
         i += 1
    if j < len(s2):
         output=output+s2[j]
         \dot{1} += 1
print(output)
import sys
sys.exit(0)
#Print the even and old possition chars
#1
s='Pune Mumbai'
print(s[::2])
print(s[1::2])
#2
s='Pune Mumbai'
i = 0
while i<len(s):</pre>
    print(s[i])
    i = i + 2
i = 1
while i<len(s):</pre>
    print(s[i])
    i=i+2
import sys
sys.exit(0)
#program to reverse internal context
input='pune mumbai banglore'
l=input.split()
```

```
11=[]
i=0
while i<len(1):</pre>
   11.append(1[i][::-1])
   i=i+1
output=' '.join(11)
print(output)
import sys
sys.exit(0)
#to reverse the string
#1
str2='Pune Mumbai'
print(str2[::-1])
#2
str2='Pune Mumbai'
print(''.join(reversed(str2)))
#3
str2='Pune Mumbai'
st.r3=''
for i in str2:
    str3=i+str3
print(str3)
#4
str2='Pune Mumbai'
i=len(str2)-1
output=''
while i>=0:
    output=output+str2[i]
```

```
i=i-1
print(output)
import sys
sys.exit(0)
#reversed the order of words
#1
str1='hello world good afternoon'
11=str1.split()
12=11[::-1]
str2=' '.join(12)
print(str2)
#2
str1='hello world good afternoon'
l=str1.split()
11=[]
i=len(1)-1
while i>=0:
    11.append(l[i])
    i = i - 1
output=' '.join(l1)
print(output)
str1='eyr37euyu33uer3euyu83'
str join = ''.join((ch if ch in
'0123456789' else ' ') for ch in str1)
l1 = [int(i) for i in str join.split()]
print(11)
```