Θεμα Α1

α Σ β Λ γ Λ δ Λ ε Σ

Θεμα Α2

1 β 2 στ 3 δ 4 γ 5 α

Θεμα Β1

```
def trim_a(s1):
  s=""
  for c in s1:
    if c!="a" and c!="A":
      s=s+c
  return s
```

Θεμα Β2

α	β
73,181,145,98	73,29,12

Β3

```
i=0
while i<10:
  j=10
  while j > -1:
    print i*j
    j -=1
  i+=1
```

ΘΕΜΑ Γ

```
maxV = -1
c=0.0
cPass = 0.0
name=raw_input("dose to onoma:")
while name != "telos":
c = c + 1
```

ΔΙΑΚΡΟΤΗΜΑ
Τα καλύτερα Φροντιστήρια της πόλης

```
sumV = 0
passFlag = True
for i in range(10):
v = int(input("dose vathmologia:"))
while v < 1 or v > 20:
v = int(input("dose vathmologia:"))
sumV = sumV + v
if v < 12:
passFlag = False
mo=sumV/10.0
print mo
if mo <= 15:
passFlag = False
if passFlag:
print "prokrithikes stin epomeni fasi"
cPass = cPass + 1
if mo > maxV:
maxV = mo
name=raw_input("dose to onoma:")
print "max=",maxV
pos = cPass/c
print "pososto=",pos,"%"
```

ΘΕΜΑ Δ.

```
ON = []
S_POSO = []
total = 0.0
fin = open("branch.txt", "r")
for line in fin:
ON.append(line)
sumP=0.0
for i in range(30):
poso = input("dose tis eispraxeis:")
sumP = sumP + poso
S_POSO.append(sumP)
total = total + sumP
fin.close()
print "sunoliki eispraxi gia ton iounio = " , total
N = len(ON)
mo = total/N
```


```
overMO = 0
for x in S_POSO:
if x >= mo:
overMO = overMO + 1
print "plithos pano to meso oro = " , overMO
for i in range( N-1 ):
for j in range( N-1 , i , -1 ):
if S_POSO[ j ] > S_POSO[ j-1 ] :
S_POSO[ j ] , S_POSO[ j-1 ] = S_POSO[ j-1 ] , S_POSO[ j ]
ON[ j ] , ON[ j-1 ] = ON[ j-1 ] , ON[ j ]
elif S_POSO[ j ] == S_POSO[ j-1 ] and ON[ j ] < ON[ j-1 ]:
ON[ j ] , ON[ j-1 ] = ON[ j-1 ] , ON[ j ]
```

Επιμέλεια:

Αγγελέτος Μάριος

και τα κέντρα ΔΙΑΚΡΟΤΗΜΑ: Ηράκλειο Κρήτης