



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

B3

```
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
```

```
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
```



ΔΙΑΚΡΟΤΗΜΑ
Τα καλύτερα Φροντιστήρια της πόλης

```
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

Φροντιστήρια ΔΙΑΚΡΟΤΗΜΑ