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

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