Λύσεις θεμάτων Προγραμματισμός ΕΠΑΛ

ΘΕΜΑ Α

Α1 Σ Λ Λ Λ Σ

Α2 1->β, 2->στ, 3->δ, 4->γ, 5->α

ΘΕΜΑ Β

Β1

def trim\_a(s1):

s2=’’

for letter in s1:

if letter!=’A’ and letter!=’a’:

s2=s2+letter

return s2

B2 α. 73 181 145 98

Β. 73 29 12

Β3.

i=0

while i<10:

j=10

while j>-1:

print i\*j

j=j-1

i=i+1

ΘΕΜΑ Γ

cont=True

on= input('Dwse onoma kai eponymo')

max=-1

n=0

prok=0

while cont:

pas=True

s=0

for i in range (10):

v=int(input('Dwse vathmologia'))

while v<1 or v>20:

v=int(input('Dwse vathmologia'))

s=s+v

if v<12:

pas=False

tel=s/10.0

print(tel)

if tel>15 and pas:

print ('prokrinetai')

prok=prok+1

else:

print ('den prokrinetai')

if max<tel:

max=tel

on= input('Dwse onoma kai eponymo')

if on=='TELOS':

cont=False

n=n+1

print(max)

fn=float(n)

pos=(prok/fn)\*100

print(pos)

ΘΕΜΑ Δ

file=open('branch.txt','r')

ON=[]

S\_POSO=[]

n=0

for line in file:

n=n+1

ON.append(line)

s=0

for i in range (30):

eis=int(input('Dwse eispraksi'))

s=s+eis

S\_POSO.append(s)

sum=0

for item in S\_POSO:

sum=sum+item

mo=item/n

print(mo)

pl=0

for item in S\_POSO:

if S\_POSO>=mo:

pl=pl+1

print(pl)

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 ] :

if ON[ j ] < ON[ j-1 ]:

ON[ j ] , ON[ j-1 ] = ON[ j-1 ] , ON[ j ]