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 ]