



ΘΕΜΑ Α)

A1.

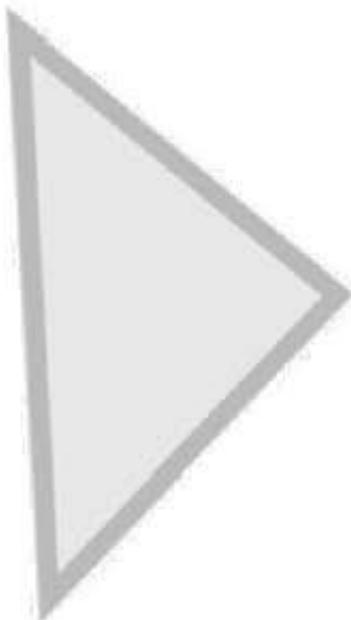
α.Σωστό

β.Σωστό

γ.Λάθος

δ.Σωστό

ε.Λάθος



A2.

α) Ο κατασκευαστής της κλάσης είναι η ειδική μέθοδος def __init__(self,marka,model)

β)

```
def __init__(self,marka,model,cpu_cores,cam_resolution):
```

```
    self.marka=marka
```

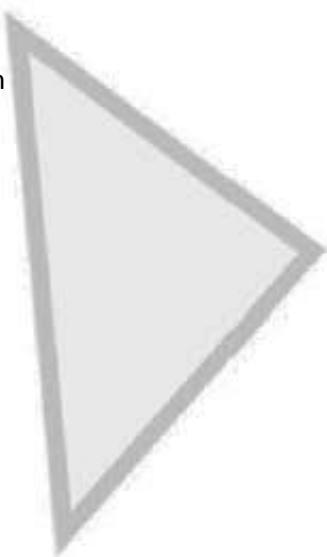
```
    self.model=model
```

```
    self.cpu_cores=cpu_cores
```

```
    self.cam_resolution=cam_resolution
```

γ)

```
phone1= Kinito('orange', 'S3', 4 , 10)
```

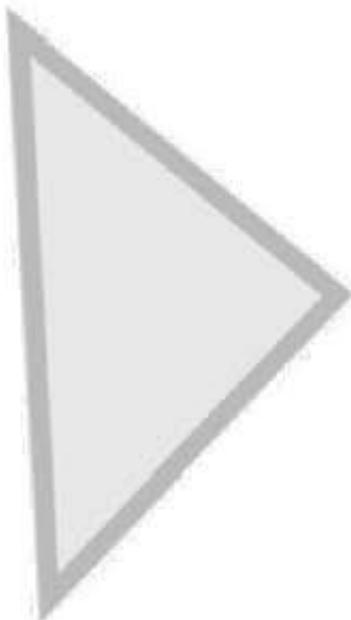




ΘΕΜΑ Β)

B1.

i,j
15 2
15 6
10 2
10 6



B2.

α.

13

89

96

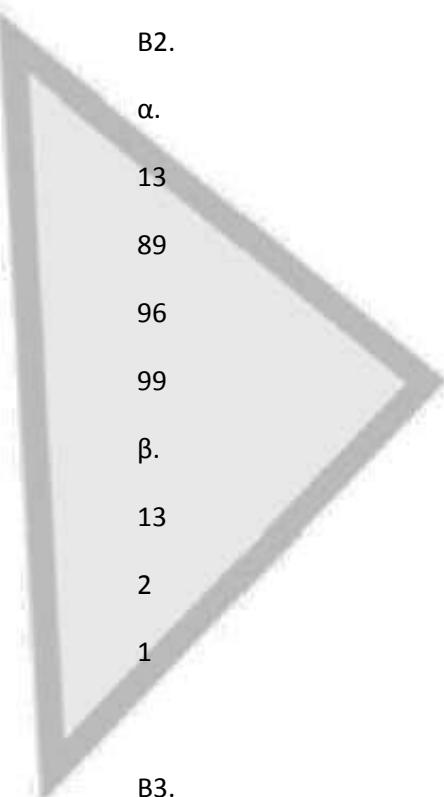
99

β.

13

2

1



B3.

α)

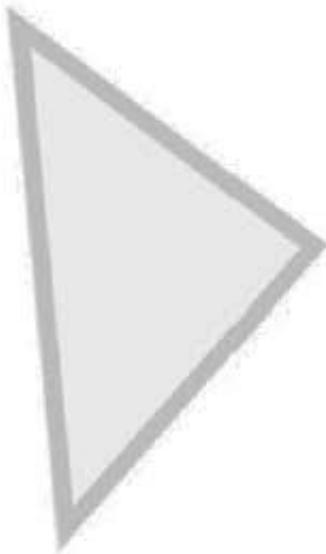
1)20

2)<=

3)100

4)i

5)20





β)

1)1

2)<=

3)5

4)i**2

5)1

ΘΕΜΑ Γ)

```
GRAM=['Α','Β','Γ','Δ','Ε','Ζ','Η','Θ','Ι','Κ','Λ','Μ','Ν','Ξ','Ο','Π','Ρ','Σ','Τ','Υ','Φ','Χ','Ψ','Ω']
```

```
ep1= raw_input('ΔΩΣΕ ΠΡΩΤΗ ΕΠΙΓΡΑΦΗ')
```

```
ep2= raw_input('ΔΩΣΕ ΔΕΥΤΕΡΗ ΕΠΙΓΡΑΦΗ')
```

```
epig=ep1+ep2
```

```
SUMA=[]
```

```
for i in range(24):
```

```
    SUMA.append(0)
```

```
for gr in epig:
```

```
    for i in range(24):
```

```
        if gr==GRAM[i]:
```

```
            SUMA[i]+=1
```

```
print 'ΠΡΕΠΕΙ ΝΑ ΠΑΡΑΓΓΕΛΘΟΥΝ'
```

```
pl=0
```

```
for i in range(24):
```

```
    if SUMA[i]>0:
```

```
        print SYMA[i],GRAM[i]
```

```
    else:
```

```
        pl+=1
```



ΘΕΜΑ Δ)

```
f1=open('pth.txt','r')
```

```
POL=[]
```

```
THER=[]
```

```
pl=1
```

```
for line in f1:
```

```
    if pl%2==1:
```

```
        POL.append(line)
```

```
    else:
```

```
        THER.append(float(line))
```

```
    pl+=1
```

```
f1.close()
```

```
athr=0.0
```

```
for item in THER:
```

```
    athr+=item
```

```
mo=athr/len(THER)
```

```
print 'Ο ΜΕΣΟΣ ΟΡΟΣ ΘΕΡΜΟΚΡΑΣΙΩΝ ΕΙΝΑΙ ' , mo
```

```
N=len(THER)
```

```
for i in range(1,N,1):
```

```
    for j in range(N-1,i-1,-1):
```

```
        if THER[j]>THER[j-1]:
```

```
            THER[j],THER[j-1]=THER[j-1],THER[j]
```

```
            POL[j],POL[j-1]=POL[j-1],POL[j]
```



```
meg=THER[0]
```

```
for item in THER:
```

```
    if item > meg:
```

```
        meg=item
```

```
print 'Η ΜΕΓΙΣΤΗ ΘΕΡΜΟΚΡΑΣΙΑ ΕΙΝΑΙ', meg, 'ΣΤΙΣ ΠΟΛΕΙΣ'
```

```
for i in range (len(THER)):
```

```
    if THER[i]==meg:
```

```
        print POL[i]
```

