

**ΘΕΜΑ Α**

**A1.**

α. Λ

β. Σ

γ. Σ

δ. Λ

ε. Σ

**A2.**

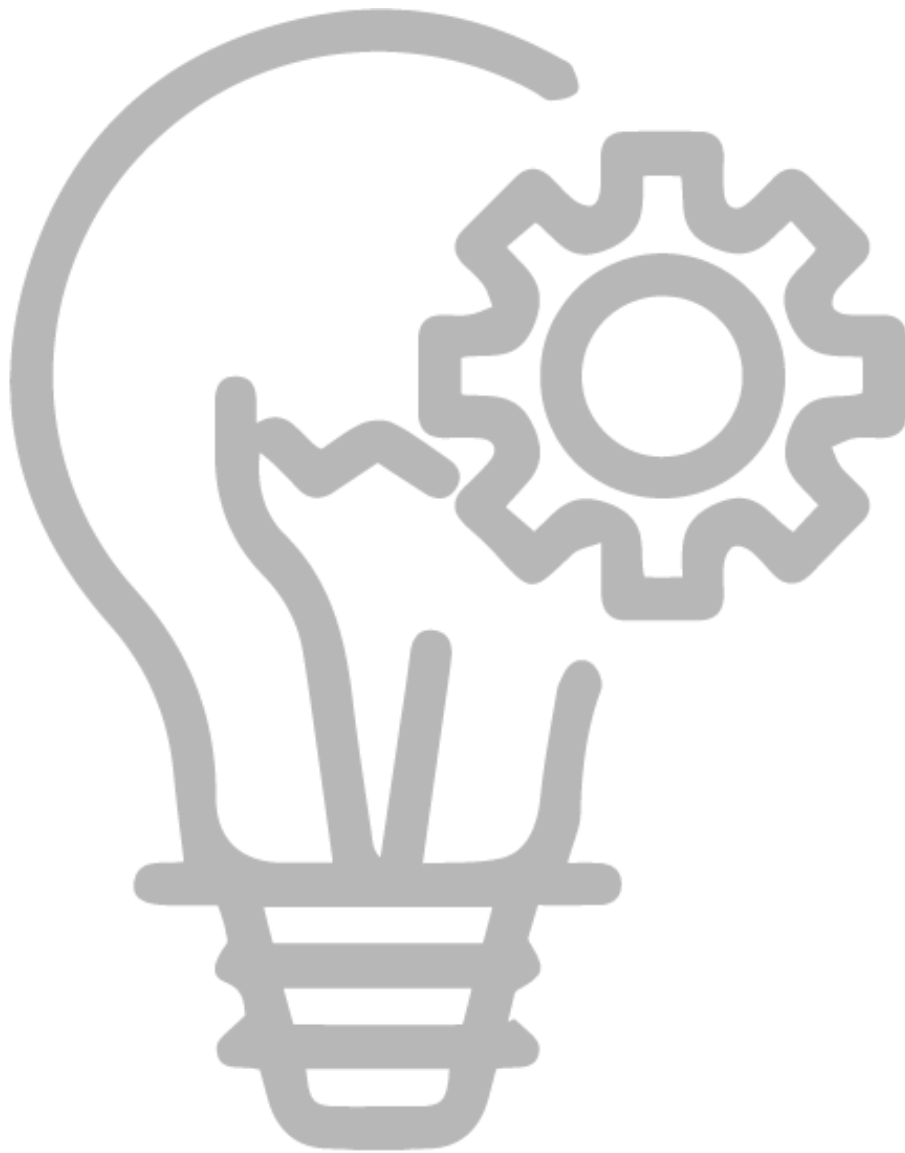
1. Ε

2. Στ

3. Γ

4. Α

5. Β



**ΘΕΜΑ Β**

**B1.**

**ΔΩΔΕΚΑΝΗΣΑ**

**ΝΑΞΟΣ**

**ΚΥΚΛΑΔΕΣΝΑΞΟΣ**

**4**

**KARDITSA**

**ROBOTICS**

B2.

α. 

```
def tipose():  
    if self.vathmos >= 10:  
        print "Προάγεται"  
    else:  
        print "Παραπέμπεται"
```

β.

```
mathitis1 = Mathitis(103,"Νικολάου",19)  
mathitis2 = Mathitis(105,"Γεωργίου",9)
```

γ.

```
mathitis1.tipose()
```

δ.

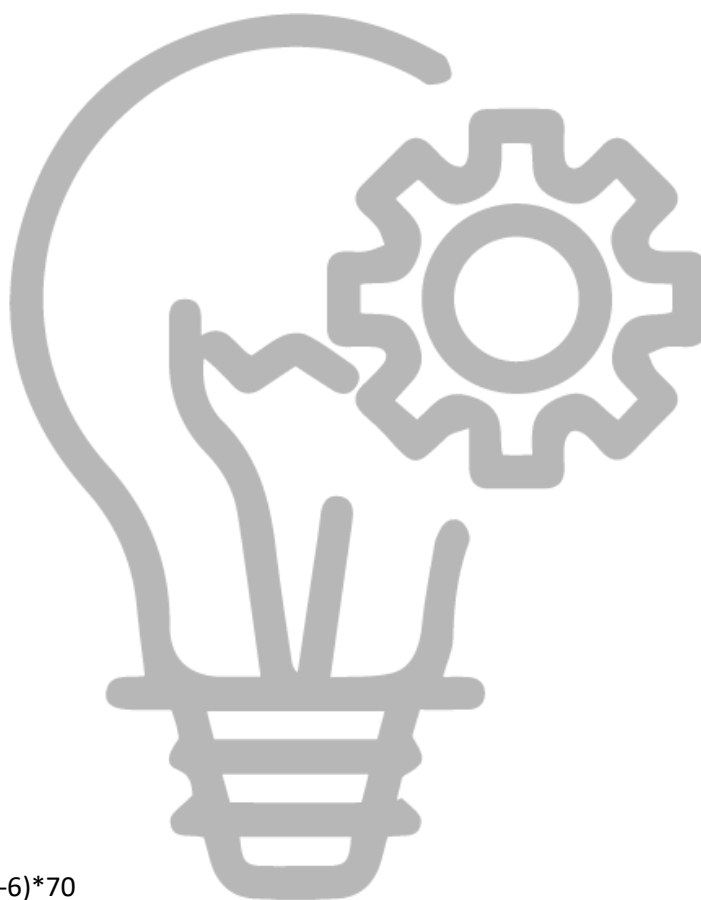
```
mo = (mathitis1.vathmos + mathitis2.vathmos)/2
```

B3.

1. 0
2. Word
3. Letter
4. M
5. 1
6. m

# KARDITSA

# ROBOTICS



## ΘΕΜΑ Γ

# Γ3

```
def ypologismos(ar):
```

```
    xr = 0
```

```
    if ar <=3 and ar >=1:
```

```
        xr = ar*120
```

```
    elif ar >=4 and ar <=6:
```

```
        xr = 3*120 + (ar-3)*100
```

```
    else:
```

```
        xr = 3*120 + 3*100 + (ar-6)*70
```

```
    return xr
```

```
synolo = 0 #συνολικά έσοδα
```

```
plithos10 = 0 #πλήθος ατόμων που αγόρασαν πάνω από 10 τεμάχια
```

#Γ1

```
for i in range(50):
```

```
    ar = int(input("Δώσε τον αριθμό τεμαχίων"))
```

```
    xrewsh = ypologismos(ar)
```

```
    print xrewsh
```

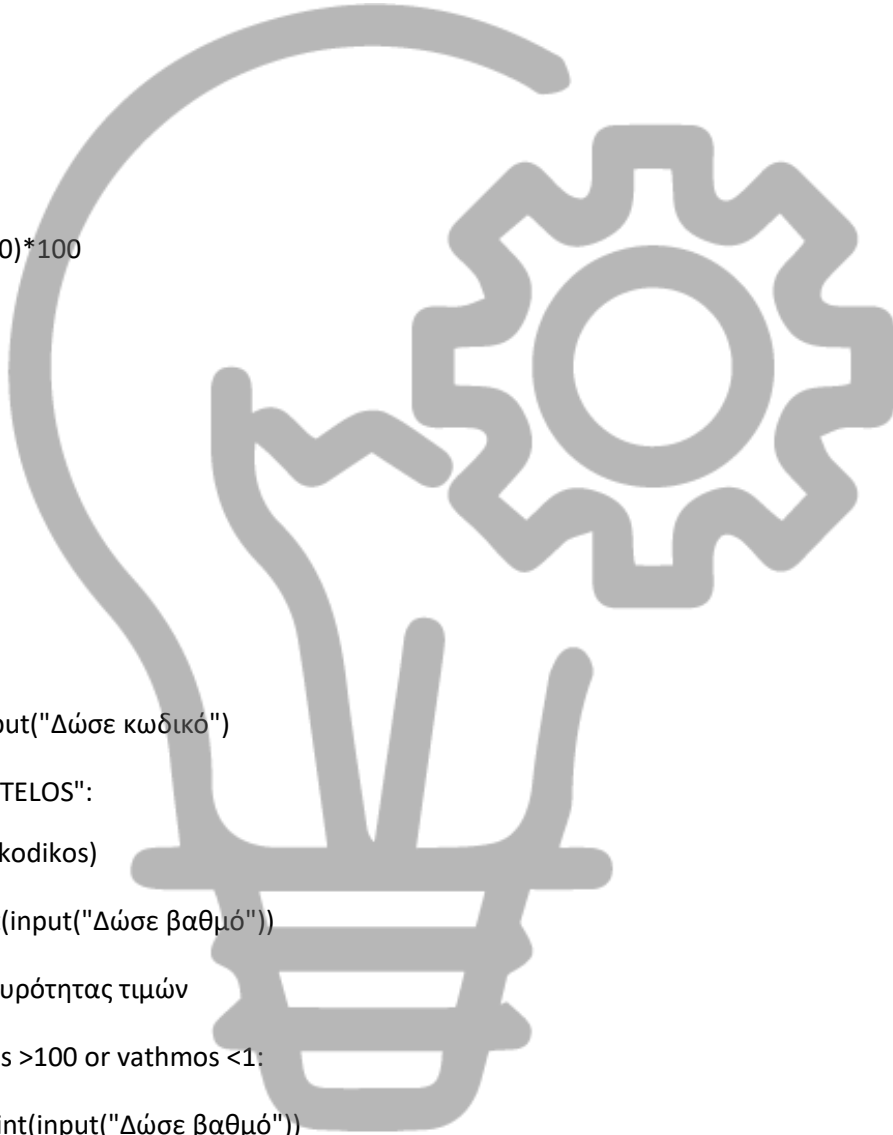
```
    synolo += xrewsh
```

```
    if ar > 10:
```

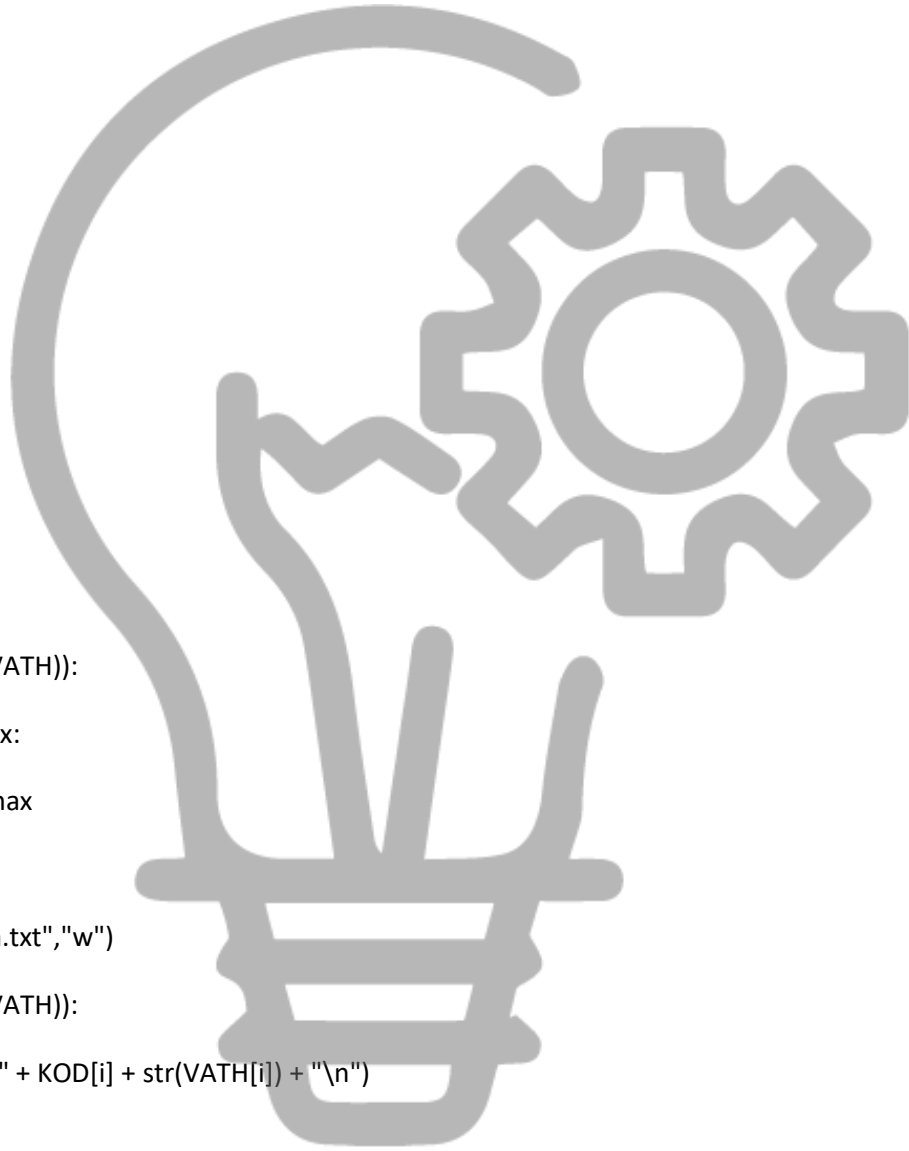
```
        plithos10 += 1
```

# KARDITSA ROBOTICS

```
#Γ2
print synolo
print (plithos10/50)*100
ΘΕΜΑ Δ
max = 0
pl = 0
athr = 0
KOD = []
VATH = []
kodikos = raw_input("Δώσε κωδικό")
while kodikos != "TELOS":
    KOD.append(kodikos)
    vathmos = int(input("Δώσε βαθμό"))
    # έλεγχος εγκυρότητας τιμών
    while vathmos >100 or vathmos <1:
        vathmos = int(input("Δώσε βαθμό"))
    VATH.append(vathmos)
    pl += 1
    athr += vathmos
    # εύρεση μέγιστης τιμής
    if max < vathmos:
        max = vathmos
    kodikos = raw_input("Δώσε τον επόμενο κωδικό")
```



**KARDITSA**  
**ROBOTICS**



```
mo = athr/pl
# έλεγχος
for i in range(len(VATH)):
    if VATH[i] == max:
        print KOD[i],max

f = open("epityxon.txt","w")
for i in range(len(VATH)):
    f.write(str(i) + "." + KOD[i] + str(VATH[i]) + "\n")
f.close()
```

# KARDITSA

# ROBOTICS