

ΕΝΔΕΙΚΤΙΚΕΣ ΑΠΑΝΤΗΣΕΙΣ ΘΕΜΑΤΩΝ 2021

ΘΕΜΑ Α

A1.

α. ΣΩΣΤΟ β. ΣΩΣΤΟ γ. ΛΑΘΟΣ δ. ΣΩΣΤΟ ε. ΛΑΘΟΣ

A2.

1. δ 2. α 3. ε 4. στ 5. β

ΘΕΜΑ Β

B1.

α) εμφανίζονται στην οθόνη οι τιμές: 1,2,3,4,5,6

β) for x in range(1,7):

```
    print x
```

(εναλλακτικά)

for x in range(6):

```
    print x+1
```

B2.

```
AR = [2]
```

for i in range(1,10):

```
    x = 2 * AR[i-1]
```

```
    AR.append(x)
```

B3.

a) pow(2,3) == 5+3

8 == 8

True

b) $2 == 5$ or $\text{not}(3 > 2)$

False or not True

False or False

False

c) $13 \% 15 == 3 + 4 * 2$

$13 == 11$

False

ΘΕΜΑ Γ

```
def TYPOS_EMB(ilikia):
```

```
    if ilikia <=50:
```

```
        return " Τύπος 1"
```

```
    elif ilikia <=60:
```

```
        return " Τύπος 2"
```

```
    elif ilikia <=70:
```

```
        return " Τύπος 3"
```

```
    else:
```

```
        return " Τύπος 4"
```

```
max_ilikia =0
```

```
synolo =0
```

```
synolo_gyn =0
```

```
ilikia = input( "ηλικία")
```

```
while ilikia>40:
```

```
    ilikia = int(input(""))
```

```
    fylo = raw_input("φύλο ")
```

```
    while (fylo!= "A" and fylo != "Γ")
```

```
        fylo = raw_input("φύλο ")
```

```
    amka = raw_input("ΑΜΚΑ ")
```

```

print amka, TYPOS_EMB(ilikia):
if ilikia > max_ilikia:
    max_ilikia = ilikia
    max_fylo = fylo
    max_amka = amka
synolo += 1
if fylo == "Γ":
    synolo_gyn += 1
ilikia = int(input("ηλικία"))
print max_ftlo, max_amka
print "ποσοστό γυναικών", synolo_gyn * 100.0 / synolo

```

ΘΕΜΑ Δ

```

OMADES = []
BATHMOI = []
for I in range(100):
    omada = raw_input("dose to onoma tis omadas")
    OMADES.append(omada)
    vathm = input("dose tin vathmologia tis omadas")
    BATHMOI.append(vathm)

PROK = []
BATHPROK = []
for I in range(100):
    if BATHMOI[i] > 150:
        PROK.append(OMADES[i])
        BATHPROK.append(BATHMOI[i])

```

```
N=len(PROK)
for i in range(N-1):
    for j in range(N-1,i,-1):
        if BATHPROK[j] > BATHPROK[j-1]:
            PROK[j],PROK[j-1] = PROK[j-1],PROK[j]
            BATHPROK[j],BATHPROK[j-1] = BATHPROK[j-1],BATHPROK[j]

        elif BATHPROK[j] == BATHPROK[j-1]:
            if PROK[j] < PROK[j-1]:
                PROK[j],PROK[j-1] = PROK[j-1],PROK[j]

count = 0
for i in range(N):
    if BATHPROK[i] == BATHPROK[0]:
        count = count + 1

print count
```