

SEARCH @KELEME_2013 ON
TELEGRAM AND JOIN US.



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ON TELEGRAM

@keleme_2013

10:50 Give short and precise answer for the following questions [6 pts]

1. Explain the difference and similarity between *string*, *tuple*, *list* and *dictionary*. [2 pts.]
2. Explain what function is and discuss its advantages? [2 pts]
3. Explain in details why we use file? [2 pts.]

PART - III:- Write the output of the following python program on the spa

Problem 1 [4 pts]

```
s1="Automatic repair"
s2="troubleshooting"
s1+=s2
s3= s1[6:10] +s2[-6:-2]
print s3
print len(s3)
s4=s3[:-4:1]
print s4
print "tic" in s3
```

Problem 2 [3pts]

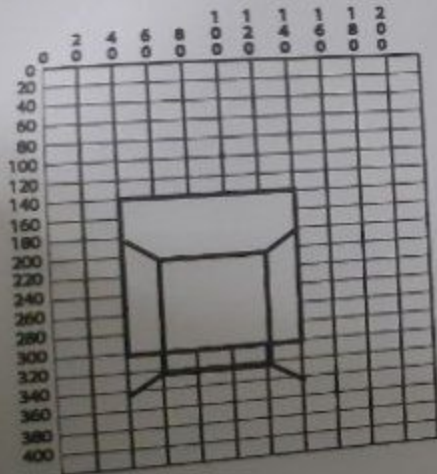
```
from math import *
def pre(a,b=2,c=3):
    x=abs(a*b**c)
    print x
pre(3)
pre(1,4)
pre(2,1,-2)
```

Problem 3 [4 pts]

```
x=[-7,22,90,25]
x.sort(reverse =True)
print x
x.insert(2,3)
print x[2:5]
print x
x[0:3]=[4,9,8]
print x
```

PART - IV: Write a python program for the following questions?

1. Write a python program that displays the following object. Use the possible method to optimize the code? [3 Pu]



Problem 4 [3 pts]

```
for i in range(6):  
    if not(i % 2 == 0):  
        print("#")*(5-i)  
    else:  
        print("@")*(5-i)
```

Problem 5 [2 pts]

```
x=2+3**3X2X2*4/2  
print x
```

2. Write a python program which creates "course.txt" file and then write your four subjects that you are registered for this semester.

2.1 append one more subject to the existing file [4 Pts]

3. Write a python program that reads python dictionary keys and values from the keyboard and sort its element using a key value? [3 Pts]

4. Write python a program that displays the world in the right hand side? [3 Pts]

