

SEARCH @KELEME\_2013 ON  
TELEGRAM AND JOIN US.



ON TELEGRAM

@keleme\_2013

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 space provided

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]

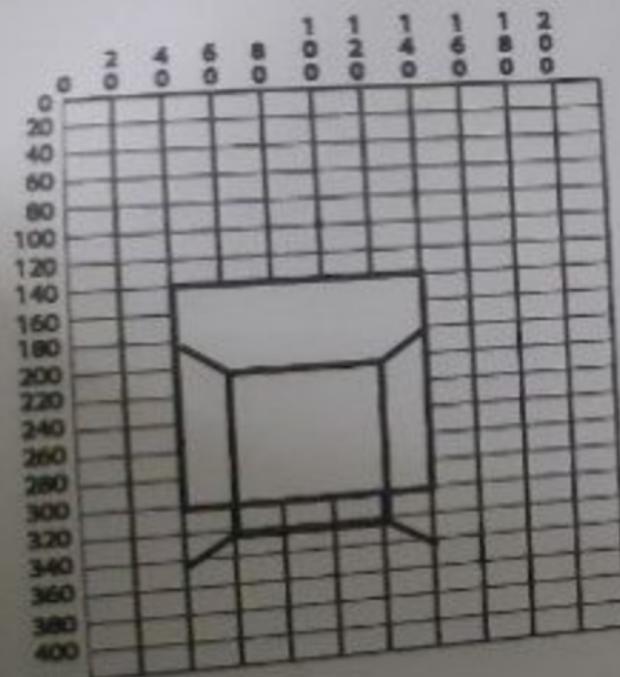
```
from math import *  
def pre(a,b=2,c=3):  
    x=abs(a*b**c)  
    print x  
pre(3)  
pre(1,4)  
pre(2,1,-2)
```

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 Pts]



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]

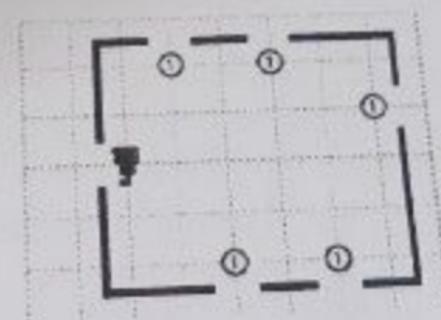
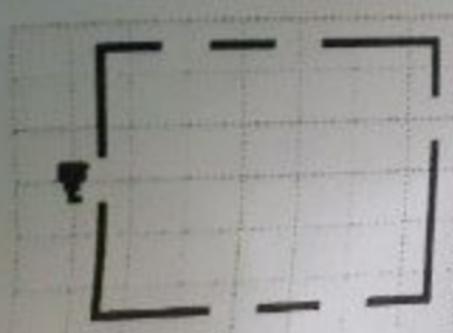
```
x=2+3**3*x2*x2**4/2
print x
```

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]



PART-I: Choose the best answer for the following questions [1pt. Each]

1. Consider the following python code

```
Lst=[0,2,10,6,3,-4]
Lst.reverse()
Lst.pop()
Lst.insert(1,3)
print Lst
```

- A. [0, 2, 3, 10, 6, 3]      C. [-4, 3, 3, 6, 10, 2]  
 B. [0, 2, 10, 6, 3, 3]      D. [3, -4, 3, 6, 10, 2]  
 2. Which one of the following modes (parameter) is used to write onto a file?  
 A. "a"      D. B and C  
 B. "w"      E. A and B  
 C. "r"
3. Consider the following python code?

```
a= "Engineering"
b= "Engineering"
b+=a
print a is b
```

- A. True

- B. False

4. Consider the following python code

```
tp= (0, 2, 3, 4, 45, 55)
print tp[-5] + tp[5]
```

- C. 57

- A. 45

- D. 47

- B. 55

5. Which one of the following is the correct definition of a tuple?

- A. A=[1,2,3,4,5]  
 B. A="1,2,3,4,5"  
 C. A=(1,2,3,4,5)  
 D. A={1,2,3,4,5}