Unit 5 - week 4

Thank you for taking the Assignment 4.

Assignment 4

Your last recorded submission was on 2020-10-05, 15:28 IST **Due date: 2020-10-14, 23:59 IST.**

NOTE: Python 3.7 has been used for this Assignment

1) Which statement can be used to come out of an infinite loop? ***1 point***

- ○ continue
- ◉ break
- ○ try
- ○ catch

2) You are supposed to code your 'To do' list that contains all the activities that you plan to perform in a day. Assume you recharged your mobile and want to delete it from the list. Identify the statement to perform the same. ***1 point***

Given: to_do=['Send Email', 'Recharge Mobile', 'Workshop preparation']

- ○ to_do.delete("Recharge Mobile ")
- ○ to_do.clear("Recharge Mobile")
- ◉ to_do.remove("Recharge Mobile")
- ○ to_do.pop()

3) Simulate a 'Lot Box' that contains all alphabets from 'A' to 'Z'. Draw and Display. ***1 point***

- ○ print(random.choice(list(string.ascii_letters)))
- ○ print(random.choice(list(string.ascii_uppercase)))
- ○ print(random.choice(list(string.ascii_lowercase)))
- ◉ print(random.choice(string.ascii_uppercase))

4) The following snippet produces TypeError: int object not callable. Pick out the correct code. ***1 point***

```
result=a(b+(c**2)) where a, b and c are any integers
```

- ○ result=ax(b+(c**2))
- ○ result=a//(b+(c**2))
- ◉ result=a*(b+(c**2))
- ○ result=a.(b+(c**2))

5) How will you display the current date in 'mm/dd/yy' format? ***1 point***

- ○ print(datetime.datetime.now().strftime('%c'))
- ○ print(datetime.datetime.now().strftime('%B'))
- ○ print(datetime.datetime.now().strftime('%C'))
- ◉ print(datetime.datetime.now().strftime('%x'))

6) What does the following code do? ***1 point***

```
s1=input('Enter a string')
s2=input('Enter another string')
for each in list(s2):
        for each2 in list(s1):
                if(each==each2):
                        print(`yes')
                        break
```

- ○ prints yes if both strings are same
- ◉ prints yes if both strings have atleast one common character
- ○ prints yes if first string is contained in the second
- ○ none of the above

7) What does the following function do? ***1 point***

```
def leap(year):
        if(year % 400 == 0 or (year % 100 != 0 and year % 4 == 0)):
                return 1
        else:
                return 0
```

Assessment submitted.
X

- returns true for century year and false for non century year
- returns true for leap year and false for non leap year
- returns false for century year and true for non century year
- none of the above

8) Given a $n \times n$ square matrix mx in the form of list of lists in figure, what is the output of the statement func(mx,2) given n=7? ***1 point***


```
def func(mx,i):
        for ind in range(i,n-i):
                print(mx[i][ind],end=' ')
        for ind in range(i+1,n-i):
                print(mx[ind][n-1-i],end=' ')
        for ind in range(n-2-i,i,-1):
                print(mx[n-1-i][ind],end=' ')
        for ind in range(n-i-1,i,-1):
                print(mx[ind][i],end=' ')
```

- 3 2 1 8 5 6 7 6
- 3 2 1 6 7 8 7 6 5
- 3 2 1 1 8 5 5 6 7 7 6 3
- 3 6 7 7 7 2 1 8 5

9) Pick out the snippet to perform integer division. ***1 point***

- a // b
- a / b
- a mod b
- a % b

10) Pick out the valid function call to the definition given below: ***1 point***

```
def is_participating(name,participants):
        c=participants.count(name)
        if c==0:
                return(False)
        else:
                return(True)
```

- is_participating('Raji','Shiva','Raji','Priya')
- is_participating('Raji',['Shiva','Raji','Priya'])
- is_participating['Raji',{'Shiva','Vani','Priya'}]
- is_participating('Raji',{'Shiva','Raji','Priya'})

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers