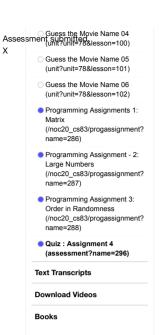


 $\label{eq:nptel} \textbf{NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL)} \ \ \textbf{`` The Joy of Computing using Python (course)}$

Announcements (announcements) About the Course (preview) Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 5 - week 4

Course outline	Thank you for taking the Assignment	. Т.
How does an NPTEL online course work?	Assignment 4	
Week 1	Your last recorded submission was on 2020-10-05, 15:28 IST	e date: 2020-10-14, 23:59 IST.
Week 2	NOTE: Python 3.7 has been used for this Assignment 1) Which statement can be used to come out of an infinite loop?	1 poin
Week 3	ocntinue	r poin
week 4	continue break	
week 4	Otry	
Practice is the key (unit? unit=78&lesson=79)	○ catch	
Magic Square: Hit and Trial 01 (unit?unit=78&lesson=80)	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 recharge to delete it from the list. Identify the statement to perform the same. Given: to_do=['Send Email', 'Recharge Mobile', 'Workshop preparation']	ed your mobile and want 1 poin
Magic Square: Hit and Trial 02 (unit?unit=78&lesson=81)	○ to_do.delete("Recharge Mobile ")	
Magic Square: Hit and Trial 03	to_do.clear("Recharge Mobile")	
(unit?unit=78&lesson=82)	to_do.remove("Recharge Mobile")	
Magic Square: Hit and Trial 04	O to_do.pop()	
(unit?unit=78&lesson=83)	3) Simulate a 'Lot Box' that contains all alphabets from 'A' to 'Z'. Draw and Display.	1 poin
Magic Square: Hit and Trial 05 (unit?unit=78&lesson=84)	oprint(random.choice(list(string.ascii_letters)))	
Let's program and play (unit?	print(random.choice(list(string.ascii_letters)))	
unit=78&lesson=85)	oprint(random.choice(list(string.ascii_lowercase)))	
ODobble Game - Spot the	print(random.choice(string.ascii_uppercase))	
similarity 01 (unit? unit=78&lesson=86)	4) The following snippet produces TypeError: int object not callable. Pick out the correct code. result=a(b+(c**2)) where a, b and c are any integers	1 poin
Dobble Game - Spot the similarity 02 (unit? unit=78&lesson=87)	○ result=ax(b+(c**2)) ○ result=a//(b+(c**2))	
ODobble Game - Spot the	• result=a*(b+(c**2))	
similarity 03 (unit?	○ result=a.(b+(c**2))	
unit=78&lesson=88)	5) How will you display the current date in 'mm/dd/yy' format?	1 poin
Dobble Game - Spot the similarity 04 (unit? unit=78&lesson=89)	oprint(datetime.datetime.now().strftime('%c'))	
What is your date of birth?	Oprint(datetime.datetime.now().strftime('%B'))	
(unit?unit=78&lesson=90)	Oprint(datetime.now().strftime('%C'))	
Birthday Paradox - Find your twin 01 (unit?	print(datetime.now().strftime('%x'))6) What does the following code do?	1 poin
unit=78&lesson=91)	s1=input('Enter a string')	
Birthday Paradox - Find your twin 02 (unit? unit=78&lesson=92)	s2=input('Enter a string') s2=input('Enter another string') for each in list(s2):	
Birthday Paradox - Find your	for each2 in list (s1):	
twin 03 (unit?	if(each==each2):	
unit=78&lesson=93)	<pre>print(`yes')</pre>	
Birthday Paradox - Find your twin 04 (unit?	break	
unit=78&lesson=94)	O prints yes if both strings are same	
Birthday Paradox - Find your	prints yes if both strings have atleast one common character	
twin 05 (unit? unit=78&lesson=95)	oprints yes if first string is contained in the second	
What's your favourite movie? (unit?unit=78&lesson=96)	o none of the above7) What does the following function do?	1 poin
Guess the Movie Name 01 (unit?unit=78&lesson=97)	def leap(year):	
Guess the Movie Name 02 (unit?unit=78&lesson=98)	if (year % 400 == 0 or (year % 100 != 0 and year % 4 == 0)): return 1	
Guess the Movie Name 03	else: return 0	



```
o returns true for leap year and false for non leap year
 \ensuremath{\bigcirc} returns false for century year and true for non century year
 O 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
                                9
                                    0 9 8 7 6
                                    3 2 1 2 3
                                           8 9 0
                             9
                                        6 5 4 3
                                 1
                                    2
                                        3
                                    9
         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=' ')
 32185676
 0321678765
 0321185567763
 0367772185
9) Pick out the snippet to perform integer division.
                                                                                                                             1 point
 ○ a // b
 Oa/b
 O 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)
                  i f c == 0:
                              return (False)
                  else:
                              return (True)
 O is_participating('Raji', 'Shiva', 'Raji', 'Priya')
 o is_participating('Raji',['Shiva','Raji','Priya'])
 O 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
```

 \bigcirc returns true for century year and false for non century year