Your last recorded submission was on 2020-01-28, 21:09 IST

All questions carry equal weightage. All Python code is assumed to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3. You may submit as many times as you lead to be executed using Python3.

1) What is the value of f (4990) for the function below?

```
def f(x):
    d=0
   while x >= 1:
        (x,d) = (x/5,d+1)
    return(d)
```

What is h(36) -h(34), given the definition of h below?

tive sorting def h(n): for i in range(2,n): if n%i == 0: 5 = 5+1 return(s)

6

line

nor

```
def h(n):
    s = 0
    for i in range(2,n):
        if n%i == 0:
        s = s+i
    return(s)
```

35

3) For what value of n would g(637,n) return 4? If there are multiple possibilities, write any one

```
def g(m,n):
    nes = 0
    uhile m >= n:
          (res,m) = (res+1,m/n)
    return(res)
```

3) For what value of n would g(637, n) return 4? If there are multiple possibilities, write any one

5

4) Consider the following function for

```
def mys(m):
   if m == 1:
     return(1)
   else:
     return(m+mys(m-1))
```



## 4) Consider the following function f:

```
def mys(m):
   if m == 1:
     return(1)
   else:
     return(m+mys(m-1))
```

## Which of the following is correct?

- The function always terminates with mys(n) = factorial of n
- The function always terminates with mys(n) = 1+2+...+n
- The function terminates for positive n with mys(n) = factorial of n
- The function terminates for positive n with mys(n) = 1+2+...+n

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

Submit Answers

- If the question asks about a value of type string, remember to enclose your answer in single or double quotes.
- If the question asks about a value of type list, remember to enclose your answer in square brackets and use commas to separate list items
- 1) One of the following 10 statements generates an error Which one? (Your answer should be a number between 1 and 10)

Consider the following lines of Python code

u = x[1:]

u = u[0:

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2.5 poi

x = [423, b', 37, f']

After these execute, which of the following is correct?

3) What is the value of second after executing the following lines?

## After these execute, which of the following is correct?

- x[2] == 47, y[1] == 37, w[2] == 47, u[1] == 53
- $\bigcirc$  x[2] == 47, y[1] = 37, w[2] == 37, u[1] == 53
- x[2] == 47, y[1] == 53, w[2] == 37, u[1] == 53
- 3) What is the value of second after executing the following lines?

```
first = "tarantula"
second = ""
for i in range(len(first)-1,-1,-1):
    second = first[i] + second
```

tarantula

4) What is the value of list1 after the following lines are executed?

```
def mystery(1):
    1 = 1[0:5]
    return()
```

```
for i in range(len(first)-1,-1,-1):
second = first[i] + second
```

tarantula

4) What is the value of list1 after the following lines are executed?

```
def mystery(1):
    l = 1[0:5]
    return()

list1 = [44,71,12,8,23,17,16]
mystery(list1)
```

[44,71,12,8,23,17,16]

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

**Submit Answers** 

2.5 points

2.5 points

Week 3

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ಶರಿಸಿಕೆ ಕಾರ್ಡಿಸ್ (ಾ) ವಿವಾಗ್ಯಕ following dictionary

```
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC v.1916 32 bit (Intel)] on win32 A
                   nonlinecourses.nptel.ac.in/noc20_cs26/unit?unit=96&assessme... ☆
                                                                                                      Type "help", "copyright", "credits" or "license" for more information.
                                                                                                      >>> def mystery(1,v):

    Downloads

                           Giraffe Academy
                                               Python for Web De...
                                                                       Development Guid...
                                                                                                            if len(1) == 0
                                                                                                               return (v)
                     Assignment not submitted
                                                                Due date: 2020-02-26, 23:59 IST.
Course
                     All questions carry equal weightage, All Python code is assumed to be executed.
                                                                                                               return (mystery(1[:-1],1[-1]+v))
outline
                     using Python3. You may submit as many times as you like within the deadline. Your
                                                                                                           mystery([22,14,19,65,82,55],1)
                     final submission will be graded.
                                                                                                         File "<stdin>", line 1
                     Note:
                                                                                                           mystery([22,14,19,65,82,55],1)
How does an
NPTFL online

    If the question asks about a value of type string, remember to enclose your

                                                                                                        ndentationError: unexpected indent
course work?
                          answer in single or double quotes.
                                                                                                        >> mystery([22,14,19,65,82,55],1)

    If the question asks about a value of type list, remember to enclose your

Week 1:
                          answer in square brackets and use commas to separate list items.
Introduction
                      1) Consider the following Python function.
Week 1 Quiz
                          def mystery(1,v):
 Week 2:
                             if len(1) == 0:
 Basics of
                               return (v)
 Python
                             else:
                               return (mystery(1[:-1],1[-1]+v))
 Week 2 Quiz
 Week 2
                     What does mystery([22,14,19,65,82,55],1) return?
 Programming
 Assignment
                       258
                                                                                         2.5 points
 Week 3:
 Lists.
                       2) What is the value of triples after the following assignment?
 inductive
                         riples = [(x,y,z)] for x in range(2,4) for y in range(2,5) for z
 function
                         n range(5,7) if 2*x*y > 3*z
  definitions.
  sorting
  Week 3
                                                                                          2.5 points
11201010101111日
SCHEENCLET ( ) MINITIOTHE following dictionary
                                                                                          2.5 points
```

```
    onlinecourses.nptel.ac.in/noc20_cs26/unit?unit=96&assessme... ☆

                                                                                                    Type "help", "copyright", "credits" or "license" for more information.
                                                                                                    >>> def mystery(1,v):
                                               Python for Web De...
                                                                      Development Guid...
                                                                                                          if len(1) ** 0
                            Giraffe Academy
Apps

    Downloads

                                                                                                            return (v)
  Week 1 Quiz
                                                                                                          else:
                                                                                                            return (mystery(1[:-1],1[-1]+v))
                          def mystery(1,v):
  Week 2:
                                                                                                        mystery([22,14,19,65,82,55],1)
                             if len(1) == 0:
  Basics of
                                                                                                      File "<stdin>", line 1
                               return (v)
  Python
                                                                                                        mystery([22,14,19,65,82,55],1)
                             else:
                                                                                                     ndentationError: unexpected indent
                               return (mystery(1[:-1],1[-1]+v))
  Week 2 Quiz
                                                                                                    >>> mystery([22,14,19,65,82,55],1)
                                                                                                    >>> triples = [ (x,y,z) for x in range(2,4) for y in range(2,5) for z in range(5,7) if 2*x*y >
  Week 2
                     What does mystery ([22,14,19,65,82,55],1) return?
                                                                                                     3*z ]
  Programming
                                                                                                    >>> triples
  Assignment
                                                                                                     (2, 4, 5), (3, 3, 5), (3, 4, 5), (3, 4, 6)]
                      258
                                                                                      2.5 points
 Week 3:
 Lists.
                      2) What is the value of triples after the following assignment?
  inductive
                      triples = [(x,y,z) for x in range(2,4) for y in range(2,5) for z
 function
                      in range(5,7) if 2*x*y > 3*z ]
 definitions.
 sorting
                      (3, 3, 5), (3, 4, 5), (3, 4, 6)]
 Week 3
                                                                                      2.5 points
 Programming
                                                                                      2.5 points
 Assignment
                      Consider the following dictionary.
                      runs = ("Test":("Rahul":[90,14,35], "Kohli":[3,103,73,42], "Pujar
 Week 4:
                      a":[53,15,133,8]},"ODI":{"Sharma":[37,99],"Kohli":[63,47]}}
 Sorting.
 Tuples.
                     Which of the following statements does not generate an error?
 Dictionaries.
 Passing
                        runs["001"]["Rahul"].append([74])
 Functions.
 List
                        pruns["001"]["Rahul"].extend([74])
 Comprehension
                        oruns["001"]["Rahu1"][0]=74
                        pruns["001"]["Rahu1"]=[74]
```

2.5 points

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Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC v.1916 32 bit (Intel)] on win32

```
nonlinecourses.nptel.ac.in/noc20 cs26/unit?unit=96&assessme... ☆
                                                                                                   Type "help", "copyright", "credits" or "license" for more information.
                                                                                                    >>> def mystery(1.v):
                           Giraffe Academy
                                              Python for Web De...
                                                                      Development Guid...
         Downloads
                                                                                                   ... if len(1) == 0:
                                                                                     2.5 points
                                                                                                         else:
 Programming
 Assignment
                      3) Consider the following dictionary.
                                                                                     2.5 points
                      runs = {"Test":{"Rahul":[90,14,35],"Kohli":[3,103,73,42],"Pujar
 Week 4:
                      a":[53,15,133,8]),"ODI":{"Sharma":[37,99],"Kohli":[63,47]}}
 Sorting.
 Tuples.
                    Which of the following statements does not generate an error?
 Dictionaries.
 Passing
                        runs["001"]["Rahul"].append([74])
 Functions.
                                                                                                    3*2 1
 List
                        pruns["001"]["Rahul"].extend([74])
 Comprehension
                        uns["001"]["Rahul"][0]=74
                        nuns["001"]["Rahul"]=[74]
 Week 4 Quiz
                      4) Assume that actor has been initialized as an empty dictionary.
                                                                                     2.5 points
    Quiz:
                               B
    Week 4
    Quiz
                         actor - ()
 Week 4
                     Which of the following generates an error?
 Programming
 Assignment
                        actor["Star Wars"] = ["Rey", "Ridley"]
                        actor["Star Wars, Rey"] = "Ridley"
 Text
 Transcripts
                        actor[["Star Wars", "Rey"]] = "Ridley"
                        actor[("Star Wars", "Rey")] = "Ridley"
 Books
                      You may submit any number of times before the due date. The final submission will
                      be considered for grading.
  Download
  Videos
                       Submit Answers
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```

```
>>> mystery([22,14,19,65,82,55],1)
 File "<stdin>", line 1
   mystery([22,14,19,65,82,55],1)
IndentationError: unexpected indent
>>> mystery([22,14,19,65,82,55],1)
>>> triples = [ (x,y,z) for x in range(2,4) for y in range(2,5) for z in range(5,7) if 2*x*y >
>>> triples
(2, 4, 5), (3, 3, 5), (3, 4, 5), (3, 4, 6)]
>>> runs = {"Test":{"Rahul":[90,14,35],"Kohli":[3,103,73,42],"Pujara":[53,15,133,8]),"ODI":{"S
harma":[37,99],"Kohli":[63,47]}}
>>> runs["001"]["Rahul"].append([74])
 raceback (most recent call last):
 File "(stdin>", line 1, in (module)
KeyError: 'Rahul
>>> runs["001"]["Rahul"].extend([74])
 raceback (most recent call last):
 File "(stdin)", line 1, in (module)
 (evError: 'Rahul
>>> runs["001"]["Rahul"][0]=74
 raceback (most recent call last):
  File "<stdin>", line 1, in <module>
(evError: 'Rahul'
>>> runs["001"]["Rahul"]=[74]
```

Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC v.1916 32 bit (Intel)] on win32

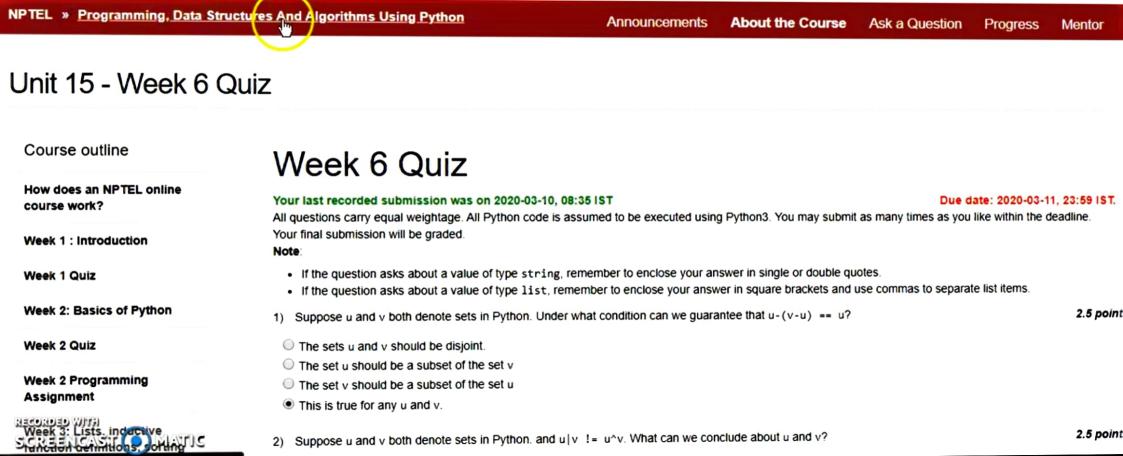
return (v)

return (mystery(1[:-1],1[-1]+v))

```
Type "help", "copyright", "credits" or "license" for more information.
                  onlinecourses.nptel.ac.in/noc20_cs26/unit?unit=96&assessme... 🟠
                                                                                                >>> def mystery(1,v):
                                                                                                ... if len(1) == 0:
                                                                   Development Guid...
                                         Python for Web De...
                          Giraffe Academy
        Downloads
                                                                                                        return (v)
                                                                                  2.5 points
                                                                                                      else:
                                                                                                        return (mystery(1[:-1],1[-1]+v))
 Programming
                                                                                  2.5 points
 Assignment
                    3) Consider the following dictionary.
                                                                                                >>> mystery([22,14,19,65,82,55],1)
                     runs = {"Test":{"Rahul":[90,14,35],"Kohli":[3,103,73,42],"Pujar
                                                                                                  File "<stdin>", line 1
                                                                                                    mystery([22,14,19,65,82,55],1)
 Week 4:
                     a":[53,15,133,8]},"ODI":{"Sharma":[37,99],"Kohli":[63,47]}}
 Sorting.
                                                                                                IndentationError: unexpected indent
 Tuples.
                                                                                                >>> mystery([22,14,19,65,82,55],1)
                   Which of the following statements does not generate an error?
 Dictionaries,
                                                                                                >>> triples = [ (x,y,z) for x in range(2,4) for y in range(2,5) for z in range(5,7) if 2*x*y >
 Passing
                       pruns["ODI"]["Rahul"].append([74])
 Functions.
                                                                                                 3*z 1
                                                                                                >>> triples
                       uns["ODI"]["Rahul"].extend([74])
 List
                                                                                                [(2, 4, 5), (3, 3, 5), (3, 4, 5), (3, 4, 6)]
 Comprehension
                       pruns["ODI"]["Rahul"][0]=74
                                                                                                >>> runs = {"Test":{"Rahul":[90,14,35], "Kohli":[3,103,73,42], "Pujara":[53,15,133,8]}, "ODI":{"S
                                                                                                harma":[37,99],"Kohli":[63,47]}}
                       nuns["001"]["Rahul"]=[74]
 Week 4 Quiz
                                                                                                >>> runs["ODI"]["Rahul"].append([74])
                                                                                                 raceback (most recent call last):
                                                                                  2.5 points
                     4) Assume that actor has been initialized as an empty dictionary
                                                                                                  File "<stdin>", line 1, in <module>
    Quiz:
                                                                                                 KevError: 'Rahul'
    Week 4
                                                                                                 >>> runs["ODI"]["Rahul"].extend([74])
    Quiz
                       actor = {}
                                                                                                 raceback (most recent call last):
                                                                                                  File "<stdin>", line 1, in <module>
 Week 4
                                                                                                 KeyError: 'Rahul'
 Programming
                   Which of the following generates an error?
                                                                                                >>> runs["ODI"]["Rahul"][0]=74
                                                                                                 Traceback (most recent call last):
 Assignment
                                                                                                  File "<stdin>", line 1, in <module>
                       actor["Star Wars"] = ["Rev", "Ridley"]
                                                                                                 KeyError: 'Rahul'
                       actor["Star Wars, Rey"] = "Ridley"
 Text
                                                                                                >>> runs["ODI"]["Rahul"]=[74]
 Transcripts
                                                                                                 >>> actor = {}
                       actor[["Star Wars", "Rey"]] = "Ridley"
                                                                                                >>> actor["Star Wars"] = ["Rey", "Ridley"]
                       actor[("Star Wars", "Rey")] = "Ridley"
                                                                                                >>> actor["Star Wars, Rey"] = "Ridley"
 Books
                                                                                                 >>> actor[["Star Wars", "Rey"]] = "Ridley"
                     You may submit any number of times before the due date. The final submission will
                                                                                                Traceback (most recent call last):
                                                                                                  File "<stdin>", line 1, in <module>
                     be considered for grading.
 Download
                                                                                                TypeError: unhashable type: 'list'
 Videos
                      Submit Angwers
                                                                                                 >>> actor[("Star Wars", "Rey")] = "Ridley"
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```

Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC V.1916 32 DIC (1MCC1)] ON WINDS

Programming, Data Structure X Programming, Data Structure X



Week 1 : Introduction	Your final submission will be graded.  Note:	edamie.
Week 1 Quiz	<ul> <li>If the question asks about a value of type string, remember to enclose your answer in single or double quotes.</li> <li>If the question asks about a value of type list, remember to enclose your answer in square brackets and use commas to separate list items.</li> </ul>	
Week 2: Basics of Python	1) Suppose u and v both denote sets in Python. Under that condition can we guarantee that u-(v-u) == u?	2.5 point
Week 2 Quiz	The sets u and v should be disjoint.	
	The set u should be a subset of the set v	
Week 2 Programming	The set v should be a subset of the set u	
Assignment	This is true for any u and v.	
Week 3: Lists, inductive function definitions, sorting	2) Suppose u and v both denote sets in Python, and u v != u^v. What can we conclude about u and v?	2.5 point
Mark 2 December	The sets u and v should overlap.	
Week 3 Programming Assignment	The set v should be a subset of the set u.	
	The set u should be a subset of the set v.	
Week 4: Sorting, Tuples, Dictionaries, Passing	○ This is true for any u and v.	
Functions, List Comprehension	3) Which of the following does not correspond to a min-heap on the list of values [19,97,83,45,72,55,31,28,31,29].	2.5 point
•	(19, 28, 72, 31, 29, 83, 97, 55, 45, 31)	
Week 4 Quiz	(a) [19, 31, 28, 45, 31, 97, 29, 72, 55, 83]	
NEGOTIONED WING	(a) [19, 28, 29, 31, 31, 45, 55, 72, 83, 97]	
agustingyan ● Malic	<ul><li>[19, 28, 29, 31, 45, 83, 97, 55, 72, 31]</li></ul>	

Assignment	The set v should be a subset of the set u	
_	This is true for any u and v.	
Week 3: Lists, inductive function definitions, sorting	2) Suppose u and v both denote sets in Python, and u != u^v. What can we conclude about u and v?	2.5 poin
Week 3 Programming Assignment	<ul> <li>The sets u and v should overlap.</li> <li>The set v should be a subset of the set u.</li> <li>The set u should be a subset of the set v.</li> </ul>	
Week 4: Sorting, Tuples, Dictionaries, Passing Functions, List	<ul> <li>This is true for any u and v.</li> <li>Which of the following does not correspond to a min-heap on the list of values [19,97,83,45,72,55,31,28,31,29].</li> </ul>	25
Comprehension  Week 4 Quiz	[19, 28, 72, 31, 29, 83, 97, 55, 45, 31] [19, 31, 28, 45, 31, 97, 29, 72, 55, 83]	2.5 poin
Week 4 Programming Assignment	<ul> <li>[19, 28, 29, 31, 31, 45, 55, 72, 83, 97]</li> <li>[19, 28, 29, 31, 45, 83, 97, 55, 72, 31]</li> </ul>	
Week 5: Exception handling, input/output, file handling,	4) Consider the min-heap [19, 28, 31, 31, 29, 83, 55, 97, 45, 72]. Suppose we apply the operation delete_min() to this min-heap. The resulting min-heap is:	2.5 poin
string processing	© [28, 29, 31, 31, 97, 83, 55, 72, 45]	
Week 5 Programming Assignment REGORDED WITH	<ul> <li>         [28, 29, 31, 31, 72, 83, 55, 97, 45]     </li> <li>         [28, 29, 31, 31, 83, 72, 55, 97, 45]     </li> <li>         [28, 29, 31, 31, 55, 83, 72, 97, 45]     </li> </ul>	
Diatoria (Mysterial etch	You may submit any number of times before the due date. The final submission will be considered for grading.	

```
1) Given the following permutation of a,b,c,d,e,f,g,h,i,j, what is the previous permutation in lexicographic (dictionary) order? Write your answer without any blank
 Week 2 Programming
                                         spaces between letters.
 Assignment
                                             fjadchbegi
 Week 3: Lists, inductive
 function definitions, sorting
                                           fiadcgiheb
 Week 3 Programming
                                                                                                                                                                                         2.5 point
 Assignment
                                           Assume we have defined a class Node that implements user defined lists of numbers. Each object node of type Node has two attributes node value
                                                                                                                                                                                         2.5 points
                                         and node next with the usual interpretation. We want to add a function sum() to the class Node which will compute the sum of values in the list. An incomplete
 Week 4: Sorting, Tuples,
                                         implementation of sum() given below. What should be put in place of XXX and YYY?
 Dictionaries, Passing
 Functions. List
                                          def sum(self):
 Comprehension
                                             if self.value == None:
                                               return(0)
 Week 4 Quiz
                                             elif self.next == None: k
                                               return(XXX)
 Week 4 Programming
                                             else:
 Assignment
                                               return(YYY)
 Week 5: Exception handling.
                                             Replace XXX by 1 and YYY by 1 + self.next.sum()
 input/output, file handling.
                                             Replace XXX by 1 and YYY by self.value + self.next.sum()
 string processing
                                             Replace XXX by self.value and YYY by 1 + self.next.sum()

    Replace XXX by self.value and YYY by self.value + self.next.sum()
```

Week 2 Quiz

Week 7 Quiz

Your last recorded submission was on 2020-03-18, 13:37 IST

All questions carry equal weightage. All Python code is assumed to be executed using Python3. You may submit as many times as you like within the deadline.

Your final submission will be graded.

Note:

If the question asks about a value of type string, remember to enclose your answer in single or double quotes.

If the question asks about a value of type list, remember to enclose your answer in square brackets and use commas to separate list items.

1) Given the following permutation of a,b,c,d,e,f,g,h,i,j, what is the **previous** permutation in lexicographic (dictionary) order? Write your answer without any blank

spaces between letters.

fjadchbegi

fjadcgiheb

2) Assume we have defined a class Node that implements user defined lists of numbers. Each object node of type Node has two attributes node value and node next with the usual interpretation. We want to add a function sum() to the class Node which will compute the sum of values in the list. An incomplete

Week 4: Sorting, Tuples,

implementation of sum() given below. What should be put in place of XXX and YYY? def sum(self):

Functions, List Comprehension انهااله ولالانكلاء

course work?

Week 1 Quiz

Week 2 Quiz

**Assignment** 

Assignment

Week 1: Introduction

Week 2: Basics of Python

Week 2 Programming

Week 3: Lists, inductive function definitions, sorting

Week 3 Programming

Dictionaries, Passing

if self.value == None: return(0)

elif self.next == None: return(XXX)

2.5 point

2.5 point

Due date: 2020-03-18, 23:59 IST.

Week 3 Programming		
Assignment		2.5 point
Week 4: Sorting, Tuples, Dictionaries, Passing	2) Assume we have defined a class Node that implements user defined lists of numbers. Each object node of type Node has two attributes node value and node next with the usual interpretation. We want to add a function sum() to the class Node which will compute the sum of values in the list. An incomplet implementation of sum() given below. What should be put in place of XXX and YYY?	<b>2.5 point</b> te
Functions, List Comprehension	<pre>def sum(self):   if self.value == None:</pre>	
Week 4 Quiz	<pre>return(0) elif self.next == None:</pre>	
Week 4 Programming Assignment	return(XXX) else: return(YYY)	
Week 5: Exception handling, input/output, file handling, string processing	Replace XXX by 1 and YYY by 1 + self.next.sum() Replace XXX by 1 and YYY by self.value + self.next.sum()	
Week 5 Programming Assignment	<ul> <li>Replace XXX by self.value and YYY by 1 + self.next.sum()</li> <li>Replace XXX by self.value and YYY by self.value + self.next.sum()</li> </ul>	

Week 6: Backtracking, scope, data structures; stacks,

queues and heaps

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mytree.foo() compute? def foo(self): if self.isempty():

return(0)

fiadcgiheb

3) Suppose we add this function foo() to the class Tree that implements search trees. For a name mytree with a value of type Tree, what would

2.5 point

	Replace XXX by self.value and YYY by 1 + self.next.sum()
Week 5 Programming Assignment	Replace XXX by self.value and YYY by self.value + self.next.sum()
Week 6: Backtracking, scope, data structures; stacks, queues and heaps	3) Suppose we add this function foo() to the class Tree that implements search trees. For a name mytree with a value of type Tree, what would mytree.foo() compute?
quedes and neaps	<pre>def foo(self):</pre>
Week 6 Quiz	<pre>if self.isempty():     return(0)</pre>
Week 7: Classes, objects and user defined datatypes	<pre>elif self.isleaf():     return(self.value) else:</pre>
Week 7 Quiz	<pre>return(self.value + max(self.left.foo(),</pre>
Quiz : Week 7 Quiz	
Week 8: Dynamic	The sum of the elements in the tree
programming, wrap-up	The maximum sum across all root to leaf paths in the tree
Week 8 Programming Assignment	<ul> <li>○ The length of the longest root to leaf path in the tree.</li> <li>○ The number of root to leaf paths in the tree.</li> </ul>
Text Transcripts	4) The preorder traversal of a binary search tree with integer values produces the following sequence: 35, 23, 26, 46, 40, 39, 41, 52. What is the value of 2.5 the right child of the root of the tree?
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string processing

else: return(self.value + max(self.left.foo(), Week 7 Quiz self.right.foo())) Quiz : Week 7 Quiz The sum of the elements in the tree Week 8: Dynamic The maximum sum across all root to leaf paths in the tree programming, wrap-up The length of the longest root to leaf path in the tree Week 8 Programming The number of root to leaf paths in the tree. **Assignment** 4) The preorder traversal of a binary search tree with integer values produces the following sequence: 35, 23, 26, 46, 40, 39, 41, 52. What is the value of 2.5 point **Text Transcripts** the right child of the root of the tree? 39 Books **40** Download Videos 41

return(0) elif self.isleaf():

return(self.value)

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

Week 7: Classes, objects and

user defined datatypes

**Submit Answers** 

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