Unit 8 - Week 6: Cool Ideas (Part 4)

## Thank you for taking the Assignment 6. Course outline Assignment 6 Pre-Requisite Assignment Your last recorded submission was on 2019-09-11, 20:18 IST Due date: 2019-09-11, 23:59 IST. 1) What is the output of the following program? x = `abcdef' i = `a'while in x: x = `abcdef'Week 1: Introduction Week 3: Cool Ideas (Part 1) i i i ...infinite times abcdef Week 6: Cool Ideas (Part 4) 2) Which of the following arithmetic operators can be used with strings? 1 point Substitution Cipher -The science of secrecy O ++ Substitution Cipher -The science of secrecy 01 Substitution Cipher -The science of secrecy 02 3) What is the output of the following code snippet? line = "What will have so will" L = line.split(a') for i in L: Substitution Cipher -The science of secrecy 03 1 point Tic Tac Toe - Down the memory Lane print(i, end=' ') Tic Tac Toe - Down the memory ['What', 'will', 'have', 'so', 'will'] Tic Tac Toe - Down the memory Lane 02 Wh t will h ve so will What will have so will Tic Tac Toe - Down the memory Lane 03 ['Wh', 't will h', 've so will'] 4) Fill in the code to complete the following function for computing factorial: Tic Tac Toe - Down the memory Lane 04 1 point if n == 0: return 1 Tic Tac Toe - Down the memory Lane 05 return .... Recursion factorial(n-1)\*n n\*(n-1) n\*factorial(n-1) Either A or C Recursion 04 5) A palindrome is a word, number, phrase, or other sequence of characters which reads the same backward as forward. Fill in the code to complete the following function for checking whether a string is a palindrome. 1 point Recursion 05 Recursion 06 def isPalindrome(s) if len(s) != 1: Quiz : Assignment 6 Programming Assignment-1: Computing Paradox elif s[0] != s[-1]: return False Programming Assignment-2: Dictionary else: return isPalindrome(s.substring(1, len(s) - 1)) • s[0] != s[-1]: Programming Assignment-3: Functions s[0] != s[len(s)]: Week 6 Feedback s[1] != s[len(s)]: Week 7: Cool Ideas(Part 5) 6) What is the output of the following recursive function? If (i=0): return j else: 1 point DOWNLOAD VIDEOS TEXT TRANSCRIPTION return test(i-1,i+j) print(test(4,7)) **17** O 10 7) What is the game strategy used in the Tic Tac Toe game? O Divide and Conquer Min-Max Strategy Greedy Strategy None of the above 8) What does the following function do? def fun(n): if (n == 0 or n == 1): It returns 1 when n is a multiple of 3, otherwise returns 0 $\ensuremath{\textcircled{@}}$ It returns 1 when n is a power of 3, otherwise returns 0 It returns 0 when n is a multiple of 3, otherwise returns 1 $\hfill \bigcirc$ It returns 0 when n is a power of 3, otherwise returns 1 9) Which of the following statements is correct regarding recursion and iteration? The code size in case of recursion is smaller than that of iteration $\ensuremath{\bigcirc}$ The time taken for execution of program in case of recursion is more than that of iteration O Iteration is terminated through base case and recursion is terminated when the iterator condition is not satisfied 10) If COMPUTER is denoted as KPDITWQC and SCIENCE is denoted as YKHQLKQ, how is SET denoted by this encoding scheme? 1 point YQWRAVP oxs

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

FML

You may submit any Submit Answers