## Assignment 6 The due date for submitting this assignment has passed. Due on 2019-09-11, 23:59 IST. Assignment submitted on 2019-09-11, 22:02 IST 1) What is the output of the following program? 1 point x = "abcdef"i = "a" while i in x: print(i, end = " ") i i i ...infinite times a b c d e f ...infinite times abcdef a a a a a...infinite times Yes, the answer is correct. Score: 1 Accepted Answers: a a a a a...infinite times 2) Which of the following arithmetic operators can be used with strings? 1 point 0\_ 0 + None of the above Yes, the answer is correct. Score: 1 Accepted Answers: 3) What is the output of the following code snippet? 1 point line = "What will have so will" L = line.split('a') for i in L: print(i, end=' ') ['What', 'will', 'have', 'so', 'will'] Wh t will h ve so will What will have so will ['Wh', 't will h', 've so will'] Yes, the answer is correct. Score: 1 Accepted Answers: Wh t will h ve so will 4) Fill in the code to complete the following function for computing factorial: 1 point def factorial(n): if n == 0: return 1 else: return ...... factorial(n-1)\*n 0 n\*(n-1) n\*factorial(n-1) Either A or C Yes, the answer is correct. Score: 1 Accepted Answers: Either A or C 5) A palindrome is a word, number, phrase, or other sequence of characters which reads the same backward 0 points as forward. Fill in the code to complete the following function for checking whether a string is a palindrome. def isPalindrome(s): if len(s) != 1: return True elif s[0] != s[-1]: return False else: return isPalindrome(s.substring(1, len(s) - 1)) ○ s[0] != s[-1]: os[0] != s[len(s)]: o s[1] != s[len(s)-1]: o s[1] != s[len(s)]: No, the answer is incorrect. Score: 0 Accepted Answers: s[0] != s[-1]:6) What is the output of the following recursive function? 1 point def test(i,j): if(i==0): return j else: return test(i-1,i+j) print(test(4,7)) 0 17 07 0 13 0 10 Yes, the answer is correct. Score: 1 Accepted Answers: 7) What is the game strategy used in the Tic Tac Toe game? 1 point Divide and Conquer Min-Max Strategy Greedy Strategy None of the above Yes, the answer is correct. Score: 1 Accepted Answers: Min-Max Strategy 1 point 8) What does the following function do? def fun(n): if (n == 0 or n == 1): return n if (n%3 != 0): return 0 return fun(n/3) It returns 1 when n is a multiple of 3, otherwise returns 0 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 It returns 0 when n is a power of 3, otherwise returns 1 Yes, the answer is correct. Score: 1 Accepted Answers: It returns 1 when n is a power of 3, otherwise returns 0 9) Which of the following statements is correct regarding recursion and iteration? 1 point The code size in case of recursion is smaller than that of iteration The time taken for execution of program in case of recursion is more than that of iteration Iteration is terminated through base case and recursion is terminated when the iterator condition is not satisfied Both A and B Yes, the answer is correct. Score: 1 Accepted Answers: Both A and B 1 point 10) If COMPUTER is denoted as KPDITWQC and SCIENCE is denoted as YKHQLKQ, how is SET denoted by this encoding scheme? YQW RAVP Ooxs

O FML

Score: 1

YQW

Yes, the answer is correct.

Accepted Answers: