

ISTANBUL AYDIN UNIVERSITY

Name, Surname :
Number :
Course Code :
Course Name :
Exam : Quiz Midterm Final
Date :05.01.2015

Please make sure to write your name and student number on paper that you have used

Question Number	1(1p)	2(20p)	3(30)	4(20p)	5(30p)	6(30p) bonus	Total
Mark							

Note: Exam duration is 100 minutes only. You dont get any other paper.Please use your paper efficiently!

Questions

<p>1-(1p) <u>Write a program that write your name and surname on the screen!</u></p> <p>2-(20p) <u>Write a function</u> in C that accepts a floating-point array and its <u>size as argument</u> and <u>returns only the average</u> of that values in the array..</p> <p>3-(30p) <u>Define a function</u> called "area" that calculates the length of the area of a rectangle when <u>the two sides are given</u>. The function should take <u>two arguments</u> of type float and <u>return the area as a float</u>.</p> <p>4-(20p) <u>Write a function</u> that <u>calculates the sum of the odd integers</u> from 7 to 25 and return the result.</p> <p>6-(30p-bonus) <u>Write function</u> distance that calculates the distance between two points (x1, y1) and (x2, y2). <u>All numbers and return values should be of type double</u>.(if you need square root of some number you can use sqrt function at math.h library. Usage example: <u>a=sqrt(b)</u>; which means "a" is equal to square root of "b")</p>	<p>5-(30p) What does the following program output and Explain the output comming from where? (Only Output) or (wrong Explanation with correct answer) is zero point!</p> <pre>#include <stdio.h> //Prototypes void swap1(int a, int b); void swap2(int a[], int b[]); void swap3(int *a, int *b); int main(){ int a[2] = {3, 9}; int b[2] = {1, 2}; swap1(a[0], a[1]); swap2(a, b); swap3(&b[0], &b[1]); printf("%d, %d, %d, %d \n", a[0], a[1], b[0], b[1]); return 0;} //functions void swap1(int a, int b){ int temp = a; a = b; b = temp;} void swap2(int a[], int b[]){ int temp = a[0]; a[0] = b[0]; b[0] = temp;} void swap3(int *a, int *b){ int temp = *a; *a = *b; *b = temp;}</pre>
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Yrd.Doç.Dr. Oğuz Ata