Question

Suppose a file contains student's records with each record containing name and age of a student, marks ,batchInfo.
Write a function to read these records and display them in sorted order by name.

1. Write a function to add another student record
2. Write a function to search a student record
3. Write a function to modify the student record
4. Write a function to delete a record.

Question

Take an array as input reverse array and print reversed array using only single array.

do swapping between two equal array without using any temporary variable.

Question

Create a text file named pay.dat containing the following data (without the headings):

Name	Rate	Hours
Callaway, G.	16.00	40
Hanson, P.	15.00	48
Lasard, D.	16.50	35
Stillman, W.	12.00	50

Write a C program that uses the information in the file created to produce the following pay report for each employee: Name Pay Rate Hours Regular Pay Overtime Pay Gross Pay Compute regular pay as any hours worked up to and including 40 hours multiplied by the pay rate. Compute overtime pay as any hours worked above 40 hours at a pay rate of 1.5 multiplied by the regular rate. The gross pay is the sum of regular and overtime pay. At the end of the report, the program should display the totals of the regular, overtime, and gross pay columns.

Question #1 Write a program in C to compute the sum of all elements in an array using pointers.

Question#2 Write a program in C to find the factorial of a given number using pointers.

Question#3 Write a program in C to calculate the length of the string using a pointer.

Question#4 Write a program in C to count the number of vowels and consonants in a string using a pointer.

Question#5 Write a program in C to print all permutations of a given string using pointers.
Output should be like
The permutations of the string are: abcd abdc acbd acdb adcb adbc bacd badc bcad bcda bdca bdac cbad cbda cabd cad b cdab cdba db ca dbac dcba dcab dacb dabc

Question#6 Write a function named Sum_Num(float* , int) which receives a float array and its size and returns the sum of numbers in the array. Call this function from main. Use appropriate parameters and return type.

Question#7 Write a program to find the max of an integral data set. The program will ask the user to input the number of data values in the set and each value. The program prints on screen a pointer that points to the max value.

Question#8

Write a program that declares three one-dimensional arrays named price, quantity, and amount. Each array should be declared in main() and be capable of holding 10 double-precision numbers. The numbers to be stored in price are 10.62, 14.89, 13.21, 16.55, 18.62, 9.47, 6.58, 18.32, 12.15, and 3.98. The numbers to be stored in quantity are 4, 8.5, 6, 7.35, 9, 15.3, 3, 5.4, 2.9, and 4.8. Have your program pass these three arrays to a function called extend(), which calculates the elements in the amount array as the product of the equivalent elements in the price and quantity arrays: for example, amount[1]=price[1] *quantity[1]

Question#9

Write a function named trimfrnt() that deletes all leading blanks from a string. Write the function using pointers with the return type void.

Question#10

Write a C program that asks for two lowercase characters. Pass the two entered characters, using pointers, to a function named capit(). The capit() function should capitalize the two letters and return the capitalized values to the calling function through its pointer arguments. The calling function should then display all four letters.