

Advanced Procedural Programming Laboratory

Lab 3

The city's mayor is elected based on the Electoral College system.

Write a program that lets the user enter the total votes for four candidates for each state in the election into an array of int.

Note: Input Validation: Do not accept negative numbers for voted. When a negative value is entered, the program outputs "invalid data (negative votes) – re-try" and attempts to reread the value.

The program should then proceed to perform the following tasks:

1. To display the table of vote data as shown in figure 1.

Table of the vote data				
State	Candidate A	Candidate B	Candidate C	Candidate D
State 1	1	1	1	3
State 2	1	1	2	2
State 3	1	1	3	5
State 4	1	1	4	6
State 5	1	1	4	9

Figure 1

2. Display the winner of the vote in each state.
3. Call a separate function that displays new Mayor of the City, based on the electoral college system.
4. Output the table of vote data to a file called votes.txt.

You should submit your code and a sample of the input and output in a single MS Word file to moddle.

Deadline: 25th Feb 2018 at 9pm