C Programming

Assignments_4

Eng: fahd badi

Exercise 1

Write a C program to find largest and second largest element in an array.

```
Enter the element[0]: 23
Enter the element[1]: 66
Enter the element[2]: 100
Enter the element[3]: 34
Enter the element[4]: 22
Enter the element[5]: 4
Enter the element[6]: 2
Enter the element[7]: 88
Enter the element[8]: 4
Enter the element[9]: 0
First largest = 100
Second largest = 88
```

Exercise 2

Write a C program to input elements in array from user and count even and odd elements in array.

```
Enter the element[0]: 1
Enter the element[1]: 2
Enter the element[2]: 3
Enter the element[3]: 4
Enter the element[4]: 5
Enter the element[5]: 6
Enter the element[6]: 7
Enter the element[7]: 8
Enter the element[8]: 9
Enter the element[9]: 11

Total Even Elements: 4
Total Odd Elements : 6
```

Exercise 3

write a program to read an age of 15 person you entered by yourself during run time of the code & find out how many of them fall under :

a) Still a baby- age 0 to 5

b) Attending school - age 6 to 17

c) Adult life-age 18 & over

[using while loop].

```
Enter the element[0]: 2
Enter the element[1]: 24
Enter the element[2]: 12
Enter the element[3]: 41
Enter the element[4]: 5
Enter the element[5]: 6
Enter the element[6]: 15
Enter the element[7]: 19
Enter the element[8]: 17
Enter the element[9]: 20
Enter the element[10]: 25
Enter the element[11]: 30
Enter the element[12]: 11
Enter the element[13]: 28
Enter the element[14]: 31

Numbers of Still a baby: 2
Numbers of Attending school: 5
Numbers of adult life: 8
```

Exercise 4

Write C Program to Find the Length of a String.

```
Enter a string: Fahd
Length of String: 4

Enter a string: Embedded_System_Course
Length of String: 22
```

Challenge 1

Write C program to remove spaces or excess blanks from a string.

```
Enter some text:
Fahd      Badi   Abdelhameed     ,  Embedded      System      Course
Text after removing blanks:
Fahd Badi Abdelhameed , Embedded System Course
```

Eng. Fahd Badi Abdelhameed

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