Arithmetic Computation & Sorting

UC 1 : Write program to take three inputs - a, b & c

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-1-TakeThreeInput)

$ ./ArithmeticComputation.sh

+ echo 'Arithmetic Computation & Sorting'

Arithmetic Computation & Sorting

+ echo 'Enter three value for input : '

Enter three value for input :

+ read a

1

+ read b

2

+ read c

3

UC 2 : Compute a + b \* c

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-2-ComputeA\_B\_C)

$ ./ArithmeticComputation.sh

Arithmetic Computation & Sorting

Enter three value for input :

1

2

3

a + b \* c = 7

UC 3 : Compute a \* b + c

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-3-Compute\_A\_Multiply\_B\_Add\_c)

$ ./ArithmeticComputation.sh

+ echo 'Arithmetic Computation & Sorting'

Arithmetic Computation & Sorting

+ echo 'Enter three value for input : '

Enter three value for input :

+ read a

2

+ read b

3

+ read c

4

++ awk 'BEGIN{print 2 + 3 \* 4}'

+ compute=14

++ awk 'BEGIN{print 2 \* 3 + 4}'

+ compute1=10

+ echo 'a + b \* c = 14'

a + b \* c = 14

+ echo 'a \* b + c = 10'

a \* b + c = 10

UC 4 : Compute c + a / b

**Output :** suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-4-Compute\_C\_Add\_A\_Div\_B)

$ ./ArithmeticComputation.sh

Arithmetic Computation & Sorting

Enter three value for input :

1

2

4

a + b \* c = 9

a \* b + c = 6

c + a / b = 4.5

UC 5 : Compute a % b + c

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-5-Computer\_A\_Mod\_B\_Add\_C)

$ ./ArithmeticComputation.sh

Arithmetic Computation & Sorting

Enter three value for input :

3

5

8

a + b \* c = 43

a \* b + c = 23

c + a / b = 8.6

a % b / c = 0.375

UC 6 : Store the results in a Dictionary for every Computation

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-6-StoreTheResult)

$ ./ArithmeticComputation.sh

Arithmetic Computation & Sorting

Enter three value for input :

5

6

9

a + b \* c = 59

a \* b + c = 39

c + a / b = 9.83333

a % b / c = 0.555556

UC 7 : Read the values from the Dictionary into the array

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-7-ReadDictionaryIntoArry)

$ ./ArithmeticComputation.sh

Arithmetic Computation & Sorting

Enter three value for input :

7

9

2

a + b \* c = 25

a \* b + c = 65

c + a / b = 2.77778

a % b / c = 3.5

Array stored values : 25 65 2.77778 3.5

UC 8 : Sort the results to show the Computation Result in the Descending Order

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-8-SortDescendingOrder)

$ ./ArithmeticComputation.sh

Arithmetic Computation & Sorting

Enter three value for input :

6 4 7

a + b \* c = 34

a \* b + c = 31

c + a / b = 8.5

a % b / c = 0.285714

Array stored values : 34 31 8.5 0.285714

Sort According Descending Order :

34

31

8.5

0.285714

UC 9 : Sort the results to show the Computation Value in Ascending Order

**Output :**

suraj@DESKTOP-TFH17A1 MINGW64 ~/codin club/Arithmetic\_Computation\_ (UC-9-SortAscendingOrder)

$ ./ArithmeticComputation.sh

Arithmetic Computation & Sorting

Enter three value for input :

3 4 7

a + b \* c = 31

a \* b + c = 19

c + a / b = 7.75

a % b / c = 0.428571

Array stored values : 31 19 7.75 0.428571

Sort According Descending Order :

31

19

7.75

0.428571

Sort According Ascending Order :

0.428571

7.75

19

31