Student: 221003350 – AB Sischy
Prac: 01
Computer Science 3B

Inputs:

- 8 Numbers from keyboard

Outputs:

- Asks users to input digit
- Calculation derived from the 8 user number inputs
- Decimal point message
- Remainder from calculation

Variables:

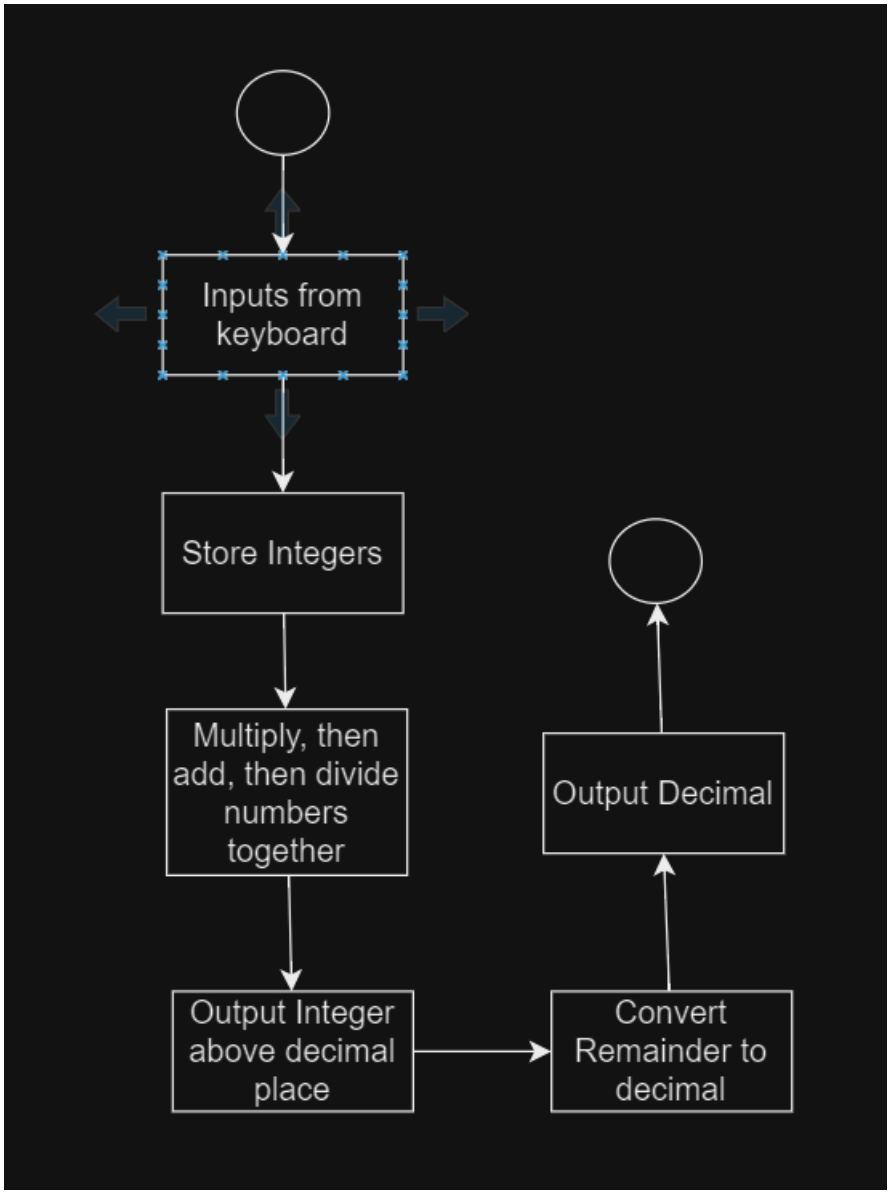
- Input – DWORD Placeholder for inputted integer – Y0
- Input – DWORD Placeholder for inputted integer – Y1
- Input – DWORD Placeholder for inputted integer – Y2
- Input – DWORD Placeholder for inputted integer – Y3
- Input – DWORD Placeholder for inputted integer – K0
- Input – DWORD Placeholder for inputted integer – K1
- Input – DWORD Placeholder for inputted integer – K2
- Input – DWORD Placeholder for inputted integer – K3
- Output – BYTE For Asking user for input of integer – strInputY0
- Output – BYTE For Asking user for input of integer – strInputY1
- Output – BYTE For Asking user for input of integer – strInputY2
- Output – BYTE For Asking user for input of integer – strInputY3
- Output – BYTE For Asking user for input of integer – strInputK0
- Output – BYTE For Asking user for input of integer – strInputK1
- Output – BYTE For Asking user for input of integer – strInputK2
- Output – BYTE For Asking user for input of integer – strInputK3
- Output – BYTE Displaying a dot – strDot
- Output – BYTE For displaying the final average answer message – strAVG
- Output – DWORD For displaying the final average answer – Average

Algorithm:

1. Ask User for integer input
2. Read the integer inputs from keyboard
3. Store the Integer in variables (Y0-Y3and K0-K4)
4. Repeat step 1-3 a total of 8 times
5. Store each Y variable in memory

6. Multiply each integer in memory by corresponding K variable (ie Y0 with K0)
7. Add multiplication result from memory, to Average variable
8. Repeat step 5-7 a total of 4 times
9. Move sum to memory
10. Divide sum by 4
11. Output integer above decimal place
12. Multiply remainder by 100, and divide by 4
13. Output decimal

FlowChart:



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