DATA USED

5

4

3

2

1

10

9

8

7

6

15

14

13

12

11

20

19

18

17

16

ALGORITHM

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Loads the array\*\*\*\*\*\*\*\*\*\*\*\*\*

Load\_values\_into\_array

Set max\_num\_elements to 20

Set index to 1

Read “Numbers.txt”

DOWHILE (End\_of\_input)

DO column\_index = 1 to 20

Get Array[Index]

index = index + 1ENDDO

END

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CALCULATES HIGHEST NUMBER\*\*\*\*\*\*\*\*\*\*\*\*\*

Number\_High

Set NumberHigh to Array[1]

Set Index to 1

DOWHILE(Index>Length\_of(array))

IF Array[Index]>NumberHigh

THEN

Set NumberHigh to Array[Index]

ENDIF

Set Index to Index + 1

END

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CALCULATES LOWEST NUMBER\*\*\*\*\*\*\*\*\*\*\*\*\*

Number\_low

Set NumberLow to Array[1]

Set Index to 1

DOWHILE(Index>Length\_of(array))

IF Array[Index]<NumberLow

THEN

Set NumberLow to Array[Index]

ENDIF

Set Index to Index + 1

END

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CALCULATES AVERAGE\*\*\*\*\*\*\*\*\*\*\*\*\*

Calculate\_Average

Set Sum to 0

Set Index to 1

DOWHILE(Index>Length\_of(Array))

Set Sum to Sum+Array[Index]

Set Index to Index + 1

ENDDO

Set Index to Index-1

Set Average to Sum/Index

END

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Out Puts in the HUb\*\*\*\*\*\*\*\*\*\*\*\*\*

Print\_End

Print "There were a total of " +Index +" Numbers with a High of " +NumberHigh +", a Low of " +NumberLow +", and an Average of " +Average +"."

END

Print\_End2

Print "\*\*\*\*\*\*\*\*\*\*\*\*End of Program\*\*\*\*\*\*\*\*\*\*\*\*\*"

END



