**CSI2006 Micro-Processor and Interfacing Techniques**

**Assignment-2**

**Aim 1 :**

To write an assembly language programming using 8086 instruction set to find the largest value from an array of given numbers.

**Aim 2 :**

To write an assembly language programming using 8086 instruction set to find the smallest value from an array of given numbers.

**Algorithm :**Input - number of array elements (count) Enter the elements to be stored in array

Process - Compare the numbers   
Conclusion – By the above process, we can find the large/small value.

**Team Members :**

Mothishwaran.C (19MID0017)  
Prashanth.S (19MID0020)  
Saksham Verma (19MID0023)  
Tharun.S (19MID0031)  
Sabarinathan R.V (19MID0057)

1)Program 🡪 Find the Largest element in an array

Code

Table

Description automatically generated

Graphical user interface, text

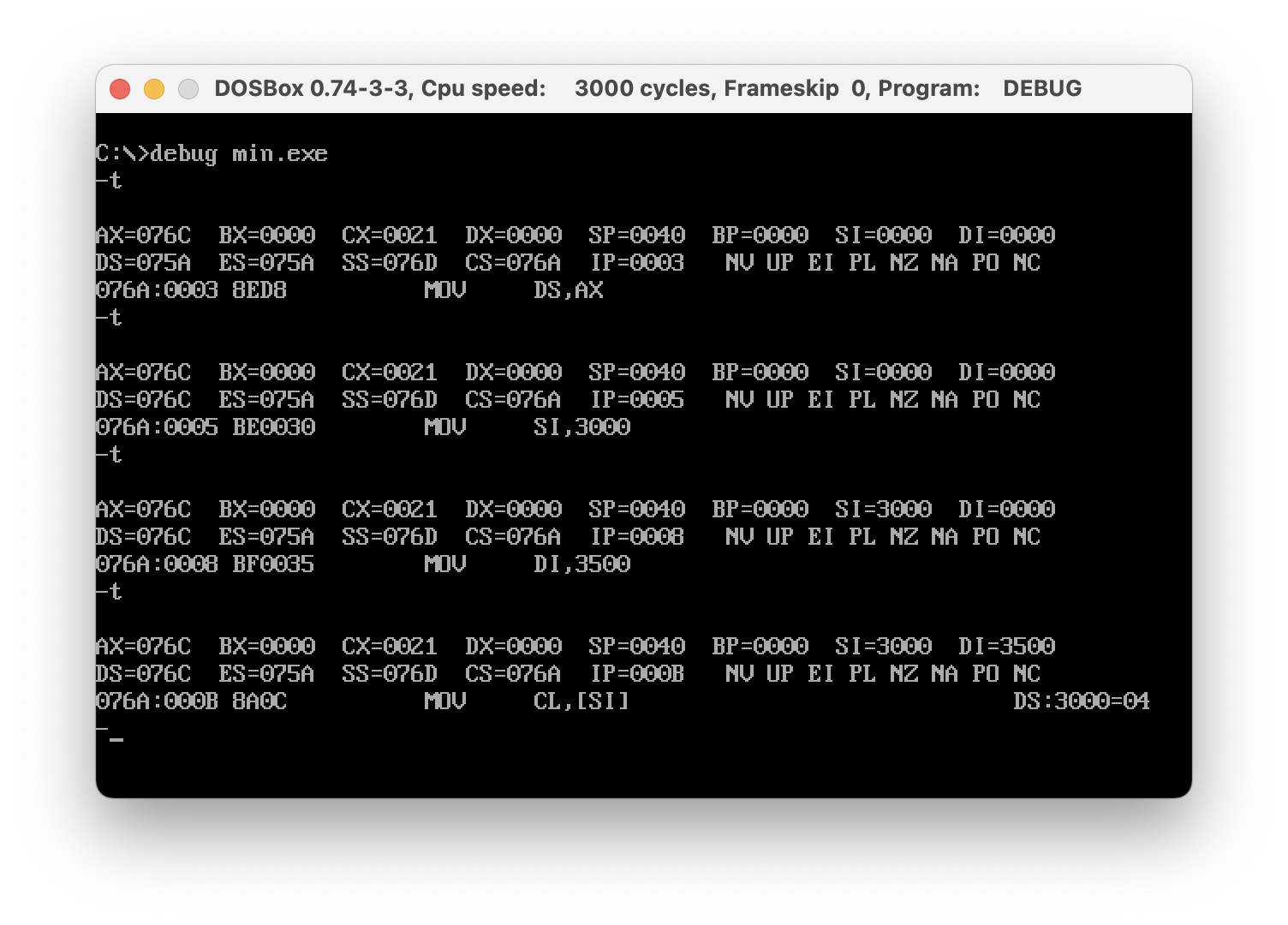
Description automatically generated

Debug Screen

Text

Description automatically generated

Debugging the Code

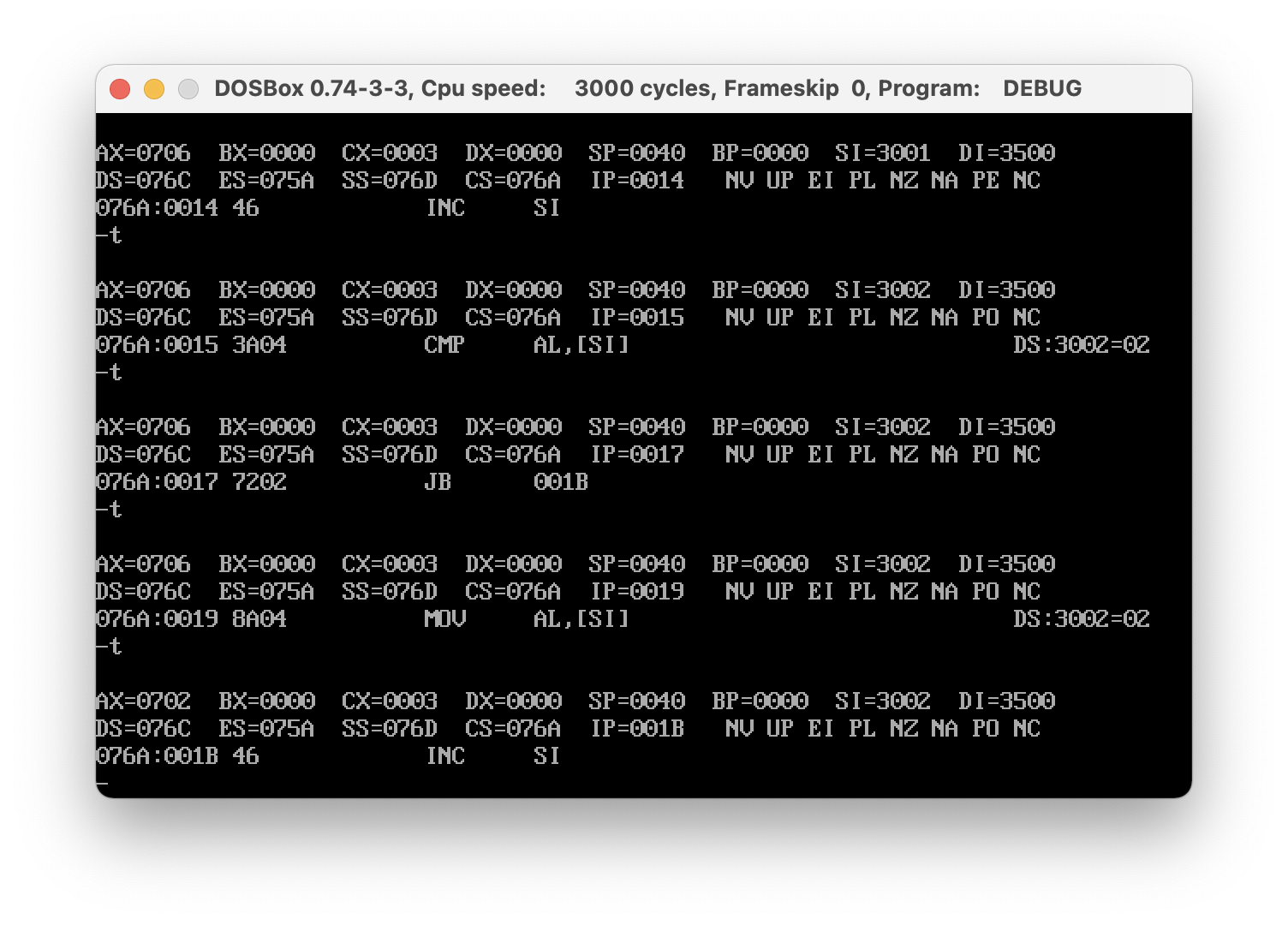


Text

Description automatically generated with medium confidence

Text

Description automatically generated



Text

Description automatically generated

Text

Description automatically generatedOutput

Text

Description automatically generated

2) Program 🡪 Find the Smallest element in an array

Code

A screenshot of a computer

Description automatically generated with medium confidence

Graphical user interface, text, application

Description automatically generated

Debug Screen

Text

Description automatically generated

Text

Description automatically generated

Calendar

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Output

A picture containing text

Description automatically generatedVideo Link 🡪 <https://www.youtube.com/watch?v=Gm5_NHBmGN0>