

PRACTICAL – 26

AIM: Write an assembly language program to find the largest number in an array.

CODE:

```
org 100h
```

```
mov [2000H],05H
```

```
mov [2001H],07H
```

```
mov [2002H],03H
```

```
mov [2003H],01H
```

```
mov [2004H],9H
```

```
mov [2005H],15H
```

```
mov [2006H],23H
```

```
mov [2007H],21H
```

```
mov [2008H],33H
```

```
mov [2009H],50H
```

```
mov SI,2000H
```

```
mov CL,10H
```

```
mov AL,[SI]
```

L1:

inc SI

mov BL,[SI]

cmp AL,BL

jc L2

loop L1

jmp exit

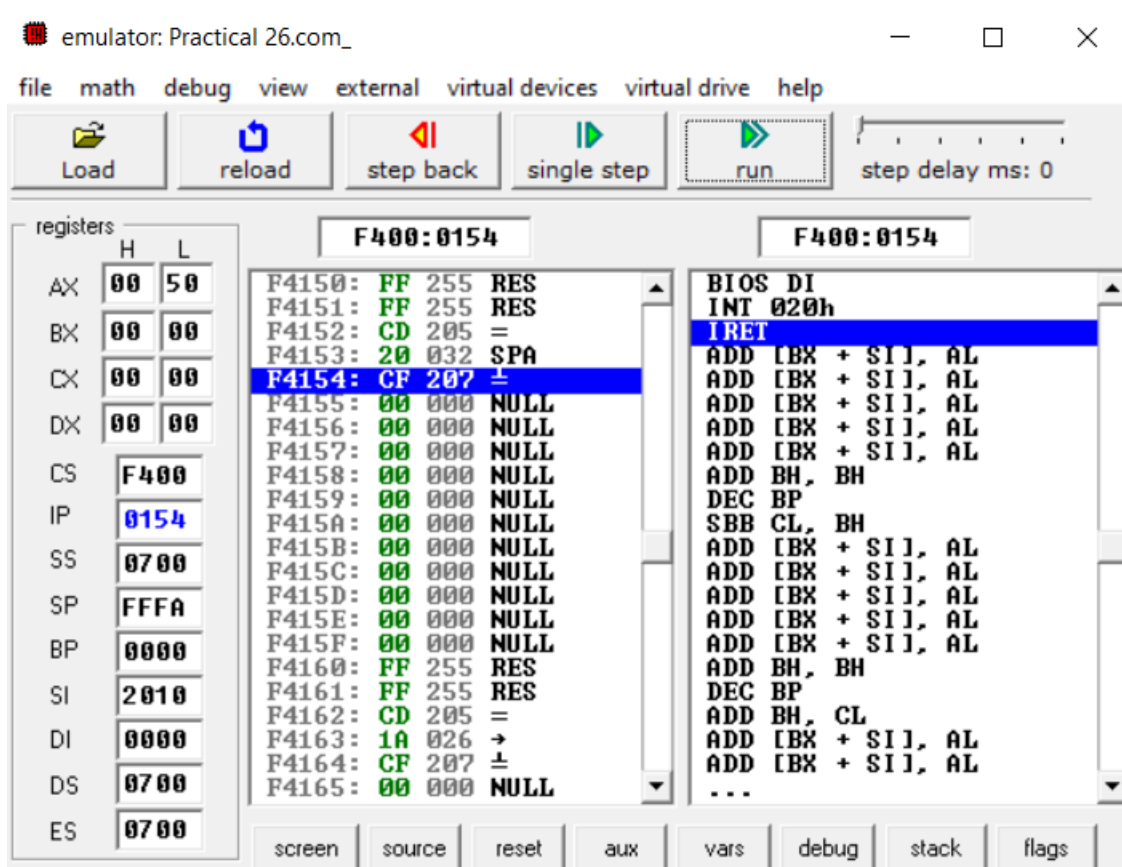
l2:

xchg AL,BL

loop L1

exit:

ret

OUTPUT:

CONCLUSION: In this practical we learnt about how to find largest number in array.