Final Worksheet

Student Name: Ritika Rana **UID: 19BCA1126**
Branch: UIC **Section /Group : A/B**
Semester: 6th **Date of Performance: 23/05/22**
Subject Name : MICROPROCESSOR AND INTERFACING LAB
Subject Code:CAP-356

1. **Aim/Overview of the practical :** `Write an assembly language program to add two 16 bit numbers .`

2. Task to be done: `program to add two 16 bit numbers .`

3. Hardware Required: 8085 Microprocessor

4. Program:
5. Code ;

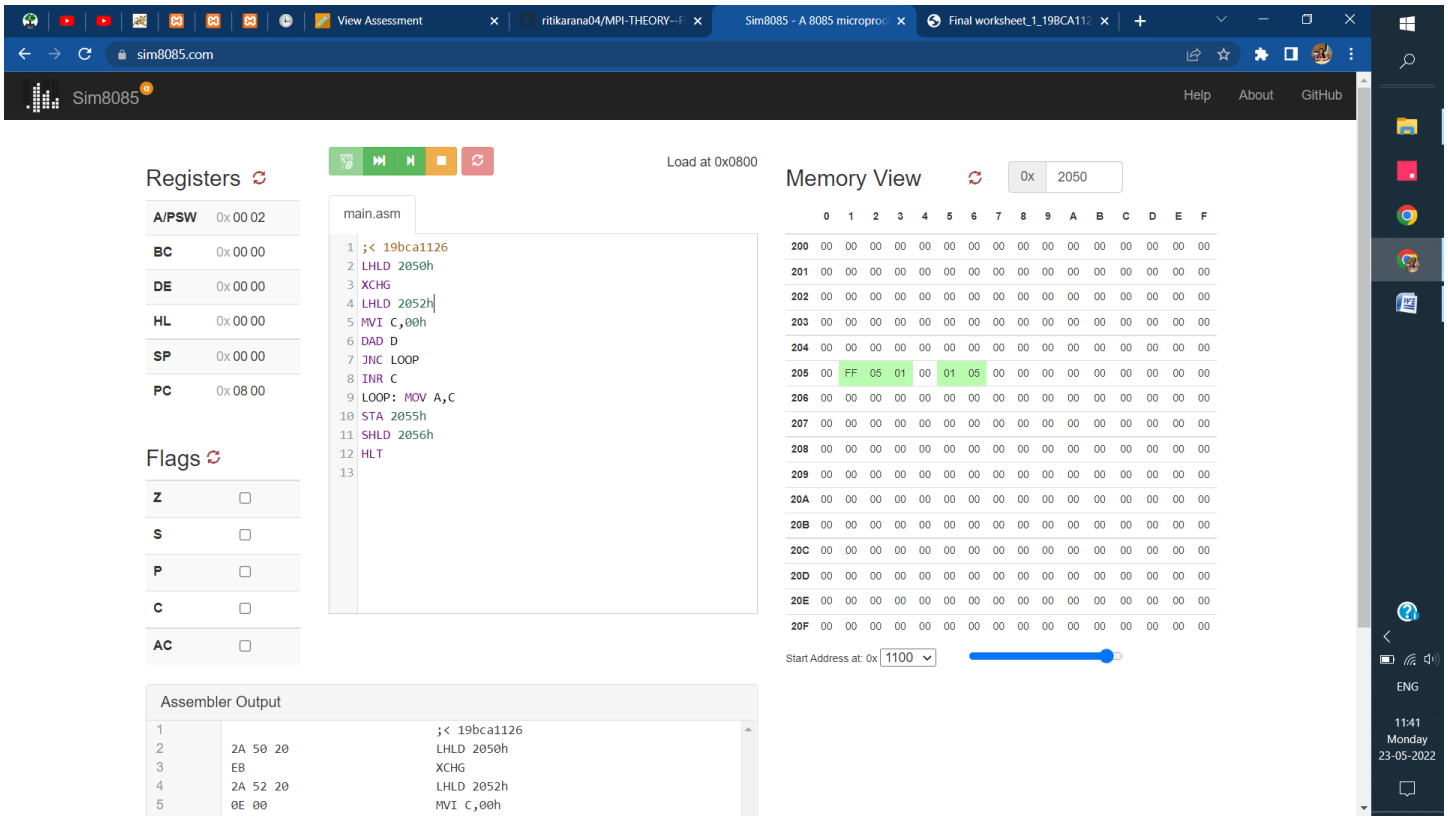
```
LHLD 2050h
XCHG
LHLD 2052h
MVI C,00h
DAD D
JNC LOOP
INR C
LOOP: MOV A,C
STA 2055h
SHLD 2056h
HLT
```

Observations:

1. Step I : Initialize the data segment.
2. Step II : Get the first number in AX register.

3. Step III : Get the second number in BX register.
4. Step IV : Add the two numbers.
5. Step V : Display the result.

8.Output:



Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

S. No	Parameter	Marks obtained	Maximum marks
1.	Worksheet		10
2.	Post lab Questions		5
3.	Pree lab Questions		5