

EXP NO: 1**AIM:**

To
write an assembly language program to implement 8-bit addition using 8085 processor.

ALGORITHM:

- 1) Start
the program by loading the first data into the accumulator.
- 2) Move
the data to a register.
- 3) Get
the second data and load it into the accumulator.
- 4) Add
the two register contents.
- 5) Check
for carry.
- 6) Store
the value of sum and carry in the memory location.

7) Halt.

PROGRAM:

LDA 8500

MOV B, A

LDA 8501

ADD B

STA 8502

RST 1

INPUT:

Address (hex)	Address	Data
2134	8500	10
2135	8501	3

OUTPUT:

