Introduction: - As we know Interpreter is a program, which executes instructions written in a particular format line by line. Therefore, we have made an interpreter written in python3 , which interprets a code written in a language similar to assembly language used in microprocessor 8085.The language description will be further discussed in the report .We can perform almost every function that is included in microprocessor 8085 but instead of hexadecimal code, it takes input in decimal numbers .this interpreter not only executes the instructions but also helps to find the error like incorrect number of argument, or incorrect arguments, etc.

Functionalities of the interpreter:-



Codes used for programming:

01-06 for Registers A-F

07 for memory register

101 Print Printing A/B/C/D/E/F

Format Print R

Ex: 101 01

102 ADD Adding value stored in 2 registers [A]<-[A]+[B]

Format ADD A,B

Ex: 102 01 02

103 SUB

104 MUL

105 DIV

106 Mod

107 inc

108 dec

109 Binary and

110 Binary or

111 Binary exor

201