Q 1: Consider the MASM syntax for 8086. Write the MAIN procedure to execute all the given procedures in given parts. Take screenshot of the output display screen after the final execution.

Part a: Write a function/procedure (DEC\_OUTPUT) that receives the data in AX register. It must display the output in decimal format (more than one decimal places).

Part b: Write a function/procedure (HEX\_OUTPUT) that receives the data in AX register and display the output in hexadecimal format (more than one hexadecimal places).

Part c: Write a function/procedure (BIN\_OUTPUT) that receives the data in AX register and display the data in binary format.

Part d: Write a function/procedure(BIN\_INPUT) that ask the user to enter 8-bits or 16-bits data. Then store the data in AL/AX accordingly.

Part e: Write a function/procedure(HEX\_INPUT) that ask the user to enter 2-digits or 4-digits hexadecimal data. Then store the data in AL/AX accordingly.

Part f: Write a function/procedure(DEC\_INPUT) that ask the user to enter decimal value. Then store the data in AL/AX accordingly.