

EE 2905

Dr. Johnson

Program 8

No capabilities beyond those
discussed in class or in the notes
are allowed

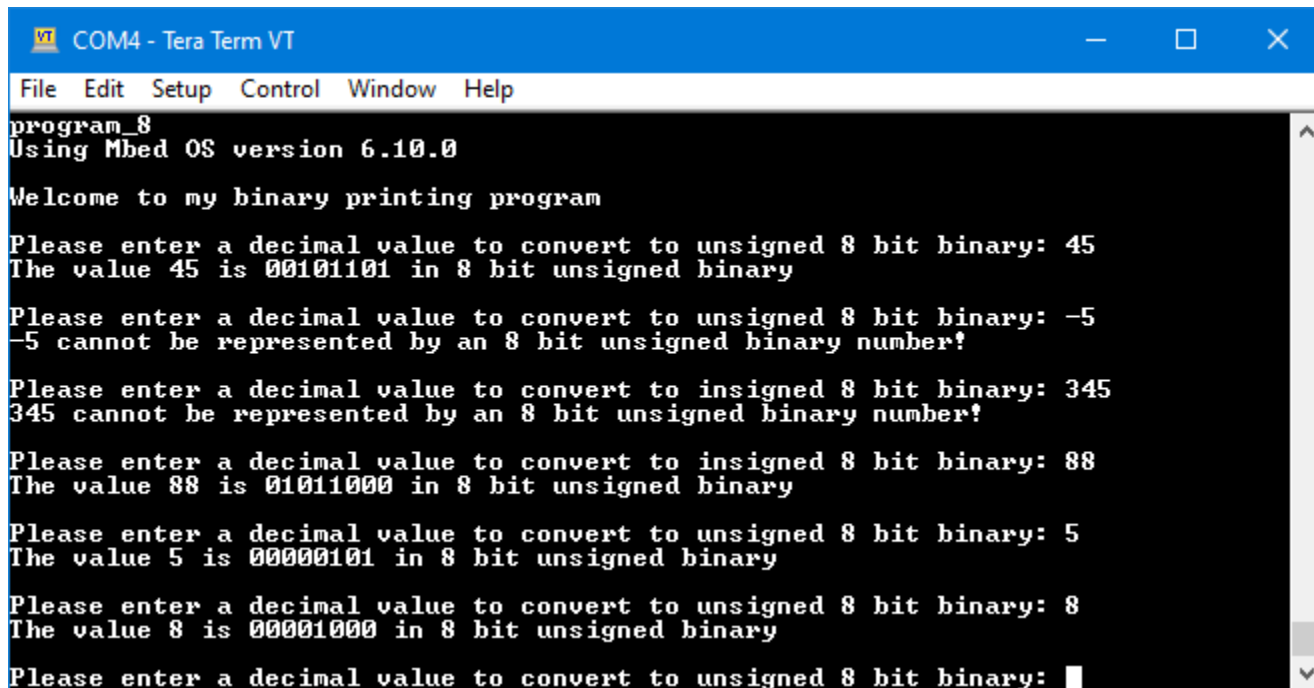
1) Create a program to ask the user for a number and print the 8-bit unsigned binary value for it

include checking to make sure the number is not too large or negative

main should probably consist of only 2 function calls

Don't just go search the web – see if you can figure this out yourself
Reminder – no capabilities beyond what we have discussed

Test with 44, -4, 344, 87, 4, 7



```
COM4 - Tera Term VT
File Edit Setup Control Window Help
program_8
Using Mbed OS version 6.10.0

Welcome to my binary printing program

Please enter a decimal value to convert to unsigned 8 bit binary: 45
The value 45 is 00101101 in 8 bit unsigned binary

Please enter a decimal value to convert to unsigned 8 bit binary: -5
-5 cannot be represented by an 8 bit unsigned binary number!

Please enter a decimal value to convert to unsigned 8 bit binary: 345
345 cannot be represented by an 8 bit unsigned binary number!

Please enter a decimal value to convert to unsigned 8 bit binary: 88
The value 88 is 01011000 in 8 bit unsigned binary

Please enter a decimal value to convert to unsigned 8 bit binary: 5
The value 5 is 00000101 in 8 bit unsigned binary

Please enter a decimal value to convert to unsigned 8 bit binary: 8
The value 8 is 00001000 in 8 bit unsigned binary

Please enter a decimal value to convert to unsigned 8 bit binary: █
```