Write your name below and indicate your role,	
Project Manager (PM), Recorder (R)	
Name Role	-
Name Role	-
Inicode Translation	
Your Tasks (Mark these off as you go) Determine the binary and hexadimal equivalent for unicode characters Have Ms. Pluska check off your tasks Write code to print out all the unicode characters given their decimal or hexadecimal equivalent Write code to convert a String of characters to thier base 10 equivalent in unicode Receive credit for the group portion of this lab	
 Determine the binary and hexadecimal equivalent for unicode characters 	
The unicode system has corresponding characters for the values 0 thru 65536. The ASCII system common to our language encompases the first 255 places.	
(a) Write code to determine the number of bits required to represent the ASCII symbols. (b) Write code to determine the number of bits required to represent the unicode symbols.	
Unicode values are often represented in hexidecimal to reduce the length of digits requried to represent them.	
(a) Write code to determine the number of places required to represent the ASCII symbols in hexdecimal.(b) Write code to determine the number of places required to represent the unicode symbols in hexadecimal.	

Below are some characters from the unicode character set.

Char	Decimal	Binary	Hexadecimal
Ŷ	10014		
P	9413		
Ã	7850		
v	7551		

Use your program from the previous lab to convert the decimal unicode equivalent values to binary. <u>Hint</u>: You will need to report the final binary number as a *long* variable type in your code otherwise you will get an overflow error.

How would each character be represented in hexadecimal? (Show your wol	How v	bluow	each	character	be re	presented	in	hexadecimal?	(Show)	vour	work	()
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Have Ms. Pluska check off your tasks before you continue



Before you continue have Ms. Pluska check off the above tasks

Do not continue until you have Ms. Pluska's (or her designated TA's)

signature ______

Write code to print out all the unicode characters given their decimal or hexadecimal equivalent

The unicode system has corresponding characters for the decimal values 0 thru 65536. Write a loop that could be used to print out all the corresponding characters.
The state of the s
Write code that could be used to encode each unicode character in hexadecimal

Write code to convert a String of characters to their base 10 equivalent in unicode

Consider a String of characters like "Code is Cool!", or even your name. Write code that could be used to encode each character in the String to its unicode equivalent and print the result to the consol.
Consider the same code, but this time write code that could be used to encode each character in the String to its unicode equivalent in decimal and print the result backwards.
 Receive Credit for the group portion of this lab
STOP
Before you submit your lab have Ms. Pluska check off the above tasks
Do not continue until you have Ms. Pluska's (or her designated TA's) signature