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#!/bin/sh
#Question:
# Write a shell script to to accept a integer from the terminal and convert to
# hexadecimal number. Number 255 in decimal = FF in hexadecimal, that is convert
# a base 10 number to base 16. In base 10 digits are from 0 to 9. In base 16
# digits are from 0 to 9 and then followed by A(which represents 10), B(is 11)
# till F(is 15).

# Always write assumptions made, either as comment or as description
# and keep the rough work, do not erase it out

# accept a integer from the terminal
echo "Enter an integer: "
read num

# Its shell script, use $ to get value of variable ,
# use calculator bc , to find base 16 representation of entered bsae 10 number
# And enclose in backquote `` to imply its commands and not just string

hexNum=` echo "obase=16; $num" | bc `

echo "$num in base 10 = $hexNum in base 16"
```