From Hex to Decimal

**public class** ConvertFromBase7ToDecimal {  
 **public static void** main(String[] args) {  
 **int** a = *hex2decimal*(**"0a470c00025f424a"**);  
 System.***out***.println(a);  
 }  
  
 **public static int** hex2decimal(String s) {  
 String digits = **"0123456789ABCDEF"**;  
 s = s.toUpperCase();  
 **int** val = 0;  
 **for** (**int** i = 0; i < s.length(); i++) {  
 **char** c = s.charAt(i);  
 **int** d = digits.indexOf(c);  
 val = 16 \* val + d;  
 }  
  
 **return** val;  
 }  
}

From Seven to Decimal

**public** **static** **int** convertSevenNumeralToDecimal(String inputNummber) {

**int** val = 0;

**for** (**int** i = 0; i < inputNummber.length(); i++) {

// int digit = Character.getNumericValue(inputNummber.charAt(i));

**int** digit = inputNummber.charAt(i) - '0';

val = 7 \* val + digit;

}

**return** val;

}

From Dec to Hex

import java.lang.StringBuilder;

class Test {

private static final int sizeOfIntInHalfBytes = 8;

private static final int numberOfBitsInAHalfByte = 4;

private static final int halfByte = 0x0F;

private static final char[] hexDigits = {

'0', '1', '2', '3', '4', '5', '6', '7',

'8', '9', 'A', 'B', 'C', 'D', 'E', 'F'

};

public static String decToHex(int dec) {

StringBuilder hexBuilder = new StringBuilder(sizeOfIntInHalfBytes);

hexBuilder.setLength(sizeOfIntInHalfBytes);

for (int i = sizeOfIntInHalfBytes - 1; i >= 0; --i)

{

int j = dec & halfByte;

hexBuilder.setCharAt(i, hexDigits[j]);

dec >>= numberOfBitsInAHalfByte;

}

return hexBuilder.toString();

}

public static void main(String[] args) {

int dec = 305445566;

String hex = decToHex(dec);

System.out.println(hex);

}

}