Computer Science: Base Conversion

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October 10, 2015

This is a program based on python. Which used for conversion. From Base 10 to Base 4.

BASE10 TO BASE4

In mathematics, convert Base is not a big deal. Most of people can do it by hand.

But when the numbers are getting bigger and bigger,
we need a program in the computer to help us solve the problem.

Next, I'll teach you how to do it on your computer.

ENTER THE FOLLOWING CODE IN YOUR PYTHON IDLE

```
ans =""
#this is static: c doesnt change
c=213
#this is dynamic: a will change
a=213
#this is base
b=4
#this is the exponent:e will change
e=0

while b**e<c:
    x=a%(b**(e+1))
    y=x/(b**(e))
    ans=str(y)+ans
    a=a-x
    e=e+1</pre>
```

print ans	
3111	Now, the number is convert in to Base4