

How to tranform to different bases

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This is the project about transforming to base b.

STEP 1

```
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
```

to transform bases, we would have to set up numbers first. You basically put the old number in c and a, and you change the number in b to the number of base you want to transform.

STEP 2

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

print ans
```

This is how the systum worked. As an example, we try to change 213 in base 10 to base 4

This is the number in base b.

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