

19.WAP to print Armstrong numbers from 1 to 1000.

```
#include<stdio.h>
#include<math.h>
int main(){
    printf("Armstrong numbers between 1 and 1000:\n");
    for(int i=1;i<=1000;++i){
        int num=i;
        int n=0;
        int originalNum=num;
        int sum=0;
        while(num!=0){
            num/=10;
            ++n;
        }
        num=originalNum;
        while(num!=0){
            int digit=num%10;
            sum+=pow(digit,n);
            num/=10;
        }
        if(sum==originalNum){
            printf("%d\n",originalNum);
        }
    }
    return 0;
}
```

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