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/*armstrong no*/
#include<stdio.h>

int main()
{
    int n,rem,sum=0,k;
    printf("enter the value of n\n");
    scanf("%d",&n);
    k=n;
    while(n!=0)
    {
        rem=n%10;
        sum=sum+(rem*rem*rem);
        n=n/10;
    }
    if(k==sum)
        printf("armstrong no");
    else
        printf("not armstrong no");
    return 0;
}

/*armstrong no using function without using power*/
#include<stdio.h>

int armstrong(int);

int main()
{
    int n,k;
    printf("enter the value of n\n");
    scanf("%d",&n);
    k=armstrong(n);
    if(k==n)
        printf("armstrong no");
}

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        else
            printf("not armstrong no");
            return 0;
    }
int armstrong(int x)
{
    int sum=0,rem;
    while(x!=0)
    {
        rem=x%10;
        sum=sum+(rem*rem*rem);
        x=x/10;
    }
    return sum;
}
/*armstrong no using function without using power*/
#include<stdio.h>
int armstrong(int);
int power(int);
int main()
{
    int n,k;
    printf("enter the value of n\n");
    scanf("%d",&n);
    k=armstrong(n);
    if(k==n)
        printf("armstrong no");
    else
        printf("not armstrong no");
    return 0;
}

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int armstrong(int x)
{
    int sum=0,rem;
    while(x!=0)
    {
        rem=x%10;
        sum=sum+power(rem);
        x=x/10;
    }
    return sum;
}

int power(int y)
{
    int c;
    c=(y*y*y);
    return c;
}

/*max value among 3 int no*/
#include<stdio.h>

int main()
{
    int a,b,c;
    printf("enter three values of a,b,c\n");
    scanf("%d%d%d",&a,&b,&c);
    if(a>b && a>c)
        printf("largest value among a,b,c:%d ",a);
    else if(b>a && b>c)
        printf("largest value among a,b,c:%d",b);
    else if(c>a && c>b)
        printf("largest value among a,b,c:%d",c);
    return 0;
}

```

