//*armstrong no using function*//

```c
#include<stdio.h>

int length(int);

int power(int,int);

int main()

{
        int n,d,sum=0,n1,L;

        printf("enter the value of n\n");

        scanf("%d",&n);

        L=length(n);

        n1=n;

        while(n!=0)

        {

          d=n%10;

          sum=sum+power(d,L);

          n=n/10;

        }

        if(sum==n1)

         printf("armstrong no");

        else

         printf(" not armstrong no");

        return 0;


}

int length(int x)

{
        int c=0;

        while(x!=0)

        {

                c++;

                x=x/10;
```
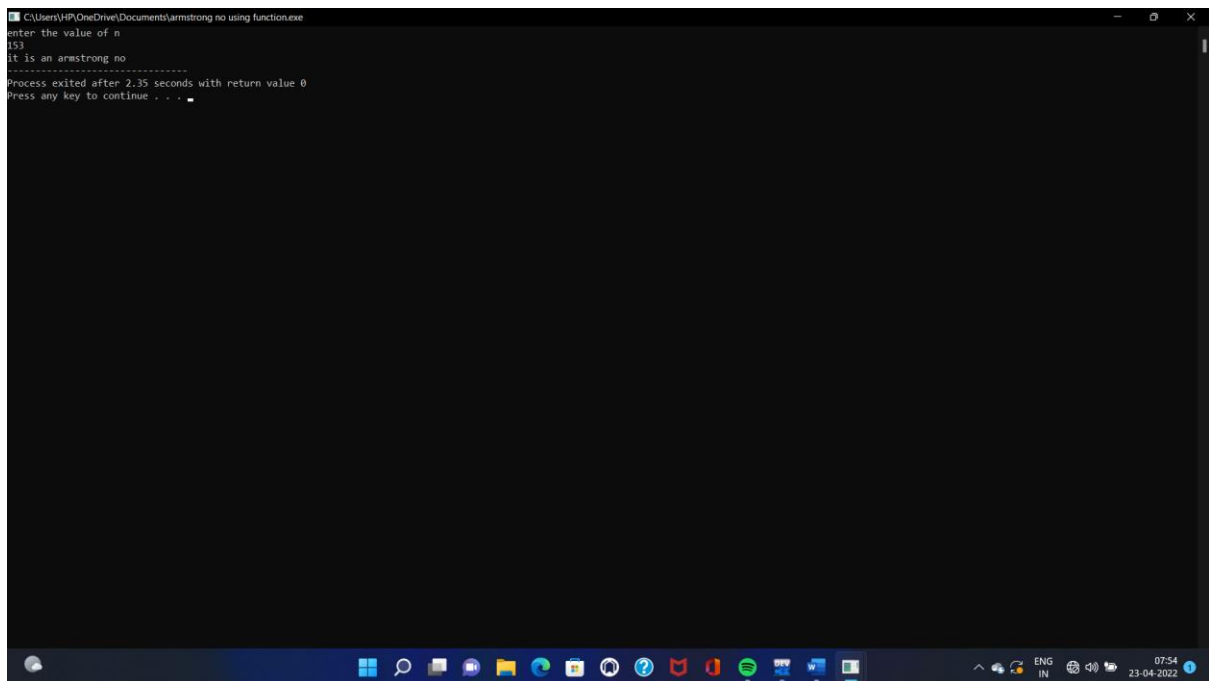
```
        }
        return c;
}
int power(int x,int y)
{
        int mul=1,i;
        for(i=1;i<=y;i++)
        mul=mul*x;
return mul;
}
```