

```
/**armstrong no using function*/
```

```
#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;
```

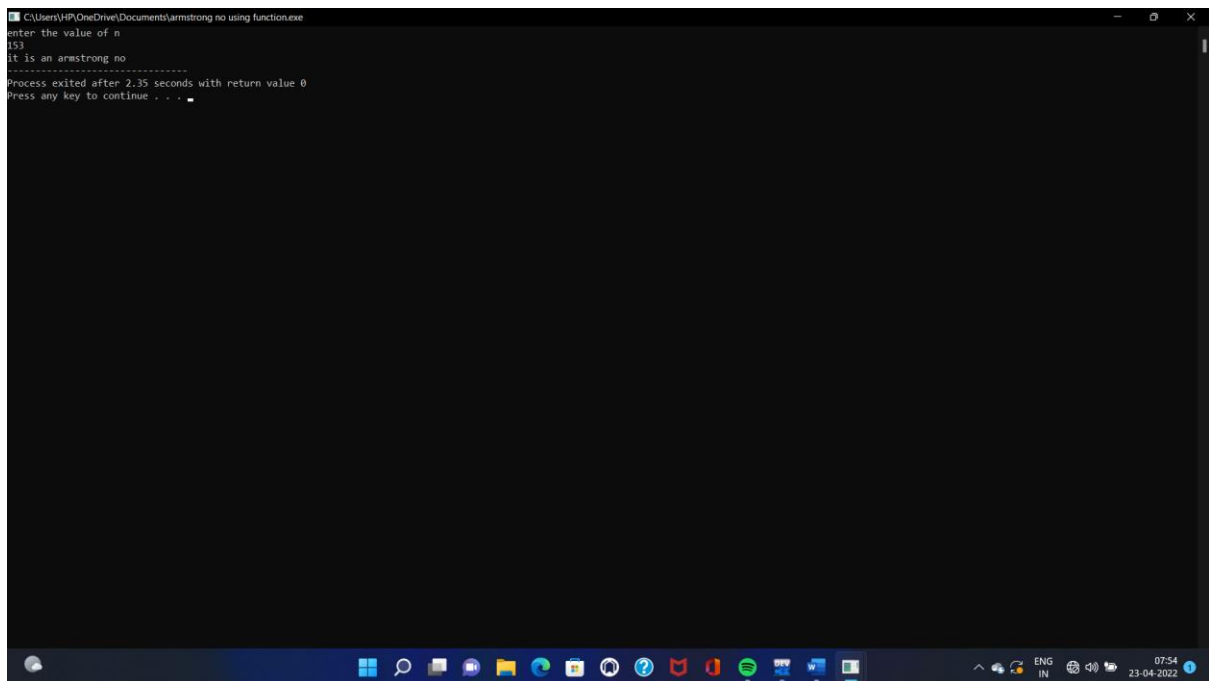
```
    while(x!=0)
```

```
    {
```

```
        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;  
}
```



```
C:\Users\HP\OneDrive\Documents\armstrong no using function.exe  
enter the value of n  
153  
it is an armstrong no  
*****  
Process exited after 2.35 seconds with return value 0  
Press any key to continue . . .
```