```c
#include<stdio.h>

int armstrong(int x);

int power(int y);

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;

}

int armstrong(int x)

{

        int rem,sum=0;

        while(x!=0)

        {

                rem=x%10;

                sum=sum+power(rem);

                x=x/10;



        }

        return sum;



}

int power(int y)

{
```
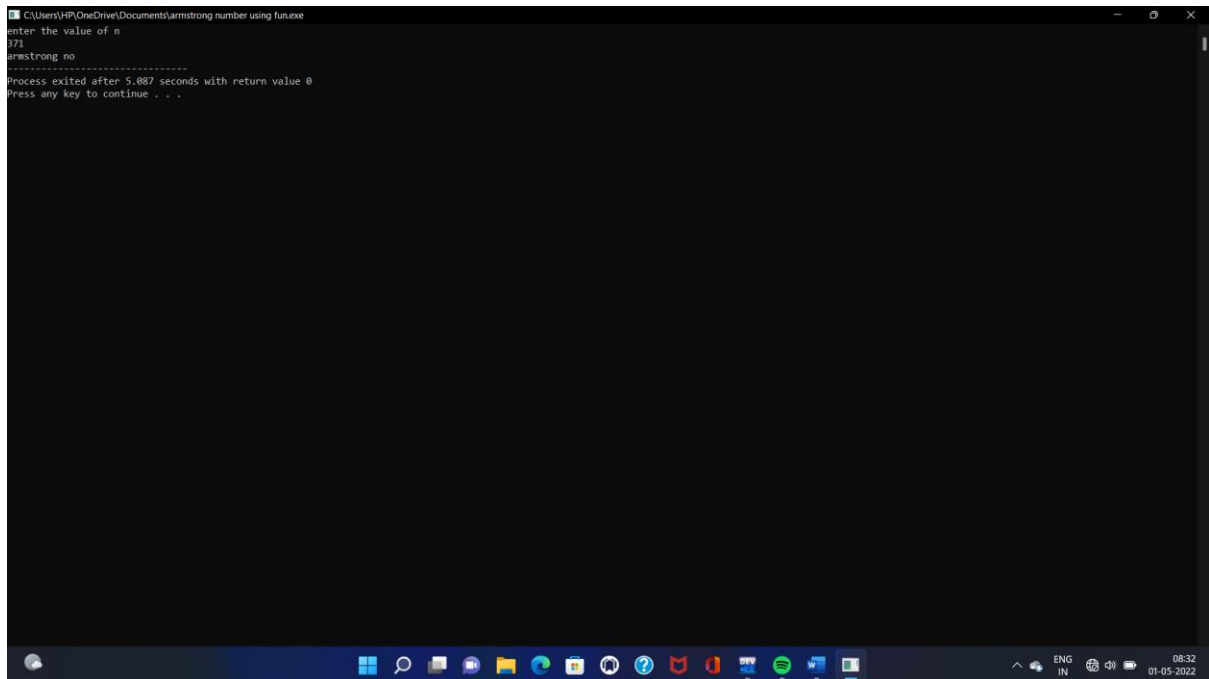
```
int c;

c=(y*y*y);

return c;
}
```