

```
#include<stdio.h>

int armstrong(int x);

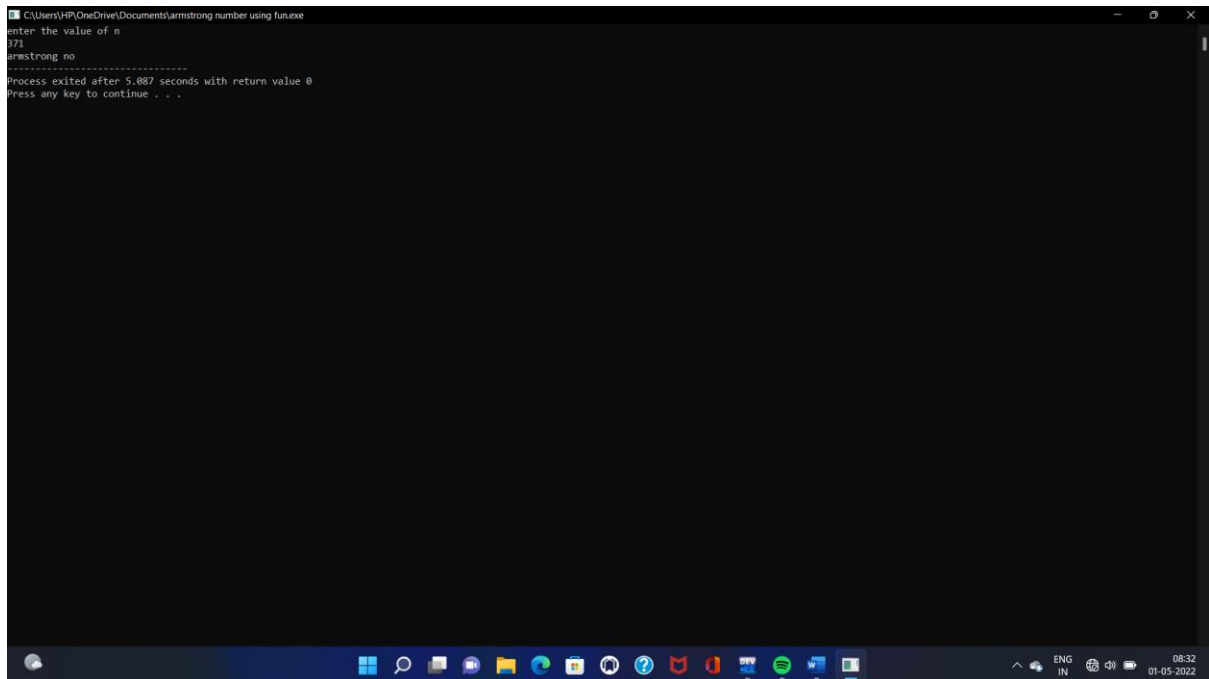
int power(int y);

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;  
  
}
```



A screenshot of a Windows command prompt window titled "C:\Users\HP\OneDrive\Documents\armstrong number using fun.exe". The window shows the following text:

```
enter the value of n  
371  
armstrong no  
-----  
Process exited after 5.087 seconds with return value 0  
Press any key to continue . . .
```

The window is running on a Windows 10 desktop. The taskbar at the bottom shows various application icons, including the Start button, Search, File Explorer, Microsoft Edge, and several other background applications. The system tray on the right shows the date and time as 08:32 on 01-05-2022, along with language and network settings.