

```
/*
```

```
    Program to Check Whether the Given Number is an Armstrong Number
```

```
*/
```

```
#include <stdio.h>
```

```
main()
```

```
{
```

```
    int n, temp, d, arm=0;
```

```
    printf("\nEnter any number: ");
```

```
    scanf("%d", &n);
```

```
    temp = n;
```

```
    while (temp > 0)
```

```
    {
```

```
        d = temp%10;
```

```
        temp = temp/10;
```

```
        arm = arm + (d*d*d);
```

```
    }
```

```
    if (arm == n)
```

```
        printf("\n\n%d is an Armstrong number\n", n);
```

```
    else
```

```
        printf("\n\n%d is not an Armstrong number\n", n);
```

```
    getch();
```

```
}
```