

9.

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

```
int main()
```

```
{
```

```
    int n, temp, rem, result=0;
```

```
    printf("enter a number");
```

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

```
    temp=n;
```

```
    while(temp!=0)
```

```
    {
```

```
        rem=temp%10;
```

```
        result+=rem*rem*rem;
```

```
        temp/=10;
```

```
    }
```

```
    if(result==n)
```

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

```
    else
```

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

```
    return 0;
```

```
}
```