

POSTLAB ASSIGNMENT NO. 6

1. Write a C program to print sum of digits in the given number.

➤ **CODE:**

```
#include<stdio.h>
#include<stdlib.h>
int main(void)
{
    int n,sum=0,r;
    printf("\nEnter a no.");
    scanf("%d",&n);
    while(n!=0)
    {
        r=n%10;
        sum=sum+r;
        n=n/10;
    }
    printf("\n%d",sum);
}
```

➤ **OUTPUT:**

```
ict23@ict23-ThinkCentre-M71e:~/Desktop$ gcc sum.c -o sum
ict23@ict23-ThinkCentre-M71e:~/Desktop$ ./sum
Enter the number125
Sum of the digits of the number is 7
```

2. Write a C program to check whether a given number is an Armstrong number.

➤ **CODE:**

```
#include<stdio.h>
#include<stdlib.h>
int main(void)
{
    int n,sum=0,r,x;
    printf("\nEnter a no.");
    scanf("%d",&n);
    x=n;
    while(n!=0)
    {
        r=n%10;
        sum=sum+r*r*r;
        n=n/10;
    }
    if(sum==x)
    {
        printf("\nArmstrong number");
    }
    else
        printf("\nnot a Armstrong");
}
```

➤ **OUTPUT:**

```
ict23@ict23-ThinkCentre-M71e:~/Desktop$ gcc armstrong.c -o armstrong
ict23@ict23-ThinkCentre-M71e:~/Desktop$ ./armstrong
Enter a no.153
no. is Armstrong number
```



This document was created with the Win2PDF "print to PDF" printer available at
<http://www.win2pdf.com>

This version of Win2PDF 10 is for evaluation and non-commercial use only.

This page will not be added after purchasing Win2PDF.

<http://www.win2pdf.com/purchase/>