

# lab 3

date:24/09/2025

// 31. PROGRAM TO PRINT SUM OF INDIVIDUAL DIGITS OF A 'N' DIGIT NO.

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

```
int main()
```

```
{
```

```
    int num,p=0,r,a;
```

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

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

```
    a=num;
```

```
    while (num!=0)
```

```
    {
```

```
        r=num%10;
```

```
        p=p+r;
```

```
        num=num/10;
```

```
    }
```

```
    printf("sum of digits of %d is %d",a,p);
```

```
    return 0;
```

```
}
```

C 28\_armstrong\_number.c X C 29\_palindrom.c C 30\_reverse.c C 31\_sum\_of\_digits.c X

```
C 31_sum_of_digits.c > main()
1 // 31. PROGRAM TO PRINT SUM OF INDIVIDUAL DIGITS OF A 'N' DIGIT NO.
2 #include<stdio.h>
3
4 int main()
5 {
6     int num,p=0,r,a;
7     printf("enter a number");
8     scanf("%d",&num);
9     a=num;
10    while (num!=0)
11    {
12        r=num%10;
13        p=p+r;
14        num=num/10;
15    }
16    printf("sum of digits of %d is %d",a,p);
17
18
19    return 0;
20 }
```

TERMINAL

```
PS C:\Users\Sumit\Desktop\vscode\clg> cd "C:\Users\Sumit\Desktop\vscode\clg" ; if ($?) { gcc 31_sum_of_digits.c -o 31_sum_of_digits } ; if ($?) { .\31_sum_of_digits }
enter a number6498
sum of digits of 6498 is 27
PS C:\Users\Sumit\Desktop\vscode\clg>
```