

```

#include <stdio.h>
int sumofdigits(int num);
int main()
{
    int num, sum;
    printf("enter the digits - ");
    scanf("%d", &num);

    sum = sumofdigits(num);
    printf("sum of digits of %d = %d", num, sum);
    return 0;
}

int sumofdigits(int num)
{
    if (num == 0)
        return 0;
    return (num % 10) + sumofdigits(num / 10);
}

```

```

enter the digits - 1234
sum of digits of 1234 =10
-----
Process exited after 2.948 seconds with return val
Press any key to continue . . .

```