#include<stdio.h>

int getSum(int);

int main(){

  int num,sum;

  printf("Enter a number: ");

  scanf("%d",&num);

  sum = getSum(num);

  printf("Sum of digits of number:  %d",sum);

  return 0;

}

int getSum(int num){

    static int sum =0,r;

    if(num!=0){

      r=num%10;

      sum=sum+r;

      getSum(num/10);

    }

    return sum;

}

Sample output:

Enter a number: 45

Sum of digits of number:  9