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| **Program No**: **5 Date:06/07/2021**  **SUM OF DIGITS OF A NUMBER**  **AIM :** To write a program to find the sum of digits of a given number..  **ALGORITHM:**     * Step 1: start * Step 2 : Get number by user * Step 3: Get the modulus/remainder of the number * Step 4: sum the remainder of the number * Step 5: Divide the number by 10 * Step 6: Repeat step 2 while the number is greater than 0. * Step 7 : Stop   **PROGRAM:**   |  | | --- | | /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Title : Sum of digits of a number  Done by : Deepak M S  Aim: to To write a program to find the sum of digits of a given number.  Date: 06/07/2021  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  #include <stdio.h>  int main()  {  //variable declaration and initialization  int num, reminder,sum=0;    //get the number from the user  printf("Enter the Number : ");  scanf("%d",&num);    //calculate the sum  while(num>0){  reminder = num % 10;    sum = sum + reminder;    num /= 10; //num = num / 10;  }    //print sum  printf("Sum of given number is %d",sum);  return 0;  } |   **SAMPLE OUTPUT:**   |  | | --- | |  |   **RESULT:**  Program run successfully and able calculate the sum of digits of given number |