```c
#include <stdio.h>

int main() {
    int num, sum = 0, digit;

    // Input 4-digit number
    printf("Enter a 4-digit number: ");
    scanf("%d", &num);

    // Calculate sum of digits
    int temp = num; // store original number
    while (temp != 0) {
        digit = temp % 10;    // get last digit
        sum += digit;         // add to sum
        temp = temp / 10;     // remove last digit
    }

    // Display result
    printf("Sum of digits of %d is %d\n", num, sum);

    return 0;
}
```