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#include <stdio.h>

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

    // Input a 5-digit number
    printf("Enter a 5-digit number: ");
    scanf("%d", &number);

    // Check if the number is 5 digits
    if (number < 10000 || number > 99999) {
        printf("Invalid input! Please enter a 5-digit number.\n");
        return 0;
    }

    // Calculate the sum of digits
    while (number > 0) {
        digit = number % 10; // Extract the last digit
        sum += digit;         // Add the digit to the sum
        number /= 10;         // Remove the last digit
    }
}
```

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// Display the result
printf("The sum of the digits is: %d\n", sum);

return 0;
}
```