

```
#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
```

```
    }
```

```
// Display the result  
printf("The sum of the digits is: %d\n", sum);  
  
return 0;  
}
```