

2-16

```
#include <stdio.h>
```

```
int main( void )
```

```
{
```

```
    int x; /* define first number */
```

```
    int y; /* define second number */
```

```
    printf( "Enter two numbers: "); /* prompt user */
```

```
    scanf( "%d%d", &x, &y ); /* read values from keyboard */
```

```
    /* output results */
```

```
    printf( "The sum is %d\n", x + y );
```

```
    printf( "The product is %d\n", x * y );
```

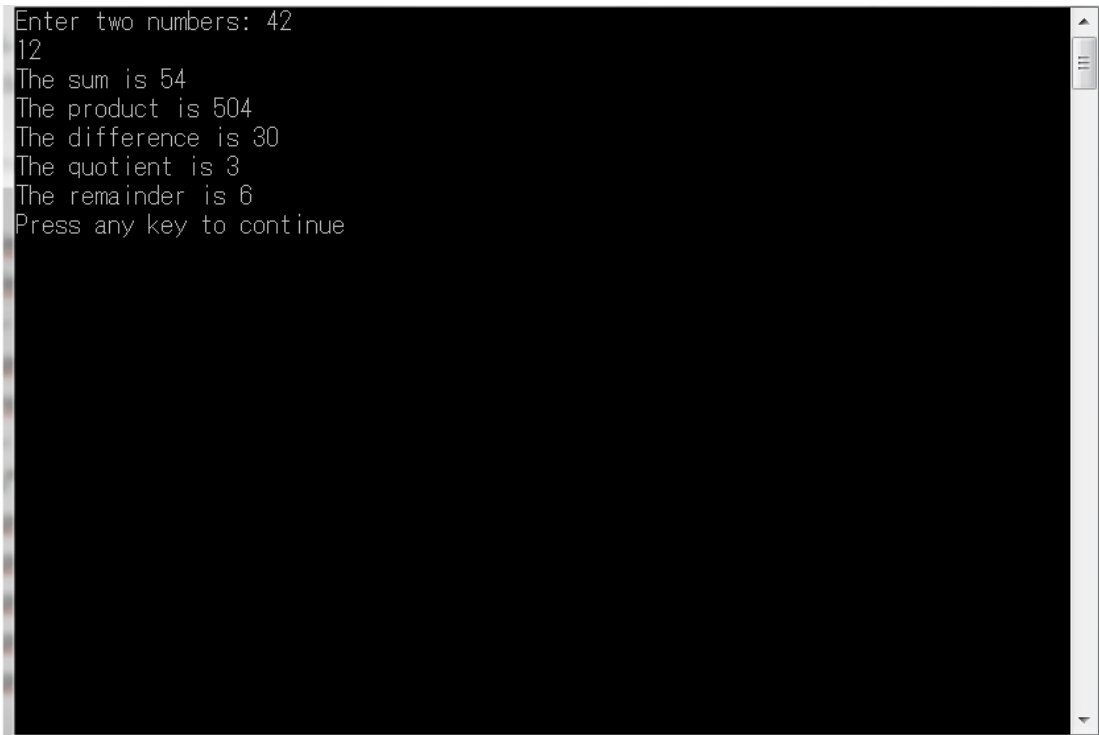
```
    printf( "The difference is %d\n", x - y );
```

```
    printf( "The quotient is %d\n", x / y );
```

```
    printf( "The remainder is %d\n", x % y );
```

```
    return 0; /* indicate successful termination */
```

```
} /* end main */
```



```
Enter two numbers: 42
12
The sum is 54
The product is 504
The difference is 30
The quotient is 3
The remainder is 6
Press any key to continue
```