

1. Sum of digits (given sum = 234)

```
#include<stdio.h>

int main() {

    long long num;

    int sum = 0, digit;

    printf("Enter a number: ");

    scanf("%lld",&num);

    while (num != 0) {

        digit = num % 10;

        sum = sum + digit;

        num = num / 10;

    }

    printf("Sum of digits = %d", sum);

    return 0;

}
```

2. Swap two numbers without third variable (a=10, b=20)

```
#include<stdio.h>

int main() {

    int a = 10, b = 20;

    printf("Before swapping: a = %d, b = %d", a, b);
```

```
a = a + b; // a becomes 30
b = a - b; // b becomes 10
a = a - b; // a becomes 20
printf("After swapping: a = %d, b = %d", a, b);

return 0;
}
```

3. Reverse of the number 12321

```
#include <stdio.h>

int main() {

    int num, reverse = 0, digit, original;

    printf("Enter a number: ");

    scanf("%d", &num);

    original = num;

    while (num != 0) {

        digit = num % 10;

        reverse = reverse * 10 + digit;

        num = num / 10;

    }

    printf("Original number = %d", original);

    printf("Reversed number = %d", reverse);
}
```

```
return 0;  
}
```