

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;  
}
```