

Program on swap Two Numbers without
Third variable.

```
#include <stdio.h>
int main () {
    int a, b;
    printf ("Enter two numbers: ");
    scanf ("%d %d", &a, &b);

    // swap without third variable

    a = a + b;
    b = a - b;
    a = a - b;

    printf ("After swapping: \n");
    printf ("a = %d\n", a);
    printf ("b = %d\n", b);

    return 0;
}
```


C program to Reverse a Number

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

```
int reverse(int n) {
```

```
    int rev = 0;
```

```
    while (n > 0) {
```

```
        rev = rev * 10 + (n % 10);
```

```
        n /= 10;
```

```
    }  
    return rev;
```

```
}  
int main () {
```

```
    int num;
```

```
    printf("Enter number: ");
```

```
    scanf("%d", &num);
```

```
    // Example input ;
```

```
123
```

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

```
    return 0;
```

```
}
```

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program on sum of digits

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

```
int main () {
```

```
    int n, sum = 0;
```

```
    printf("Enter number: ");
```

```
    scanf("%d", &n);
```

```
    // Example: 234
```

```
    while (n > 0) {
```

```
        sum += n % 10;
```

```
        n /= 10;
```

```
    }
```

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

```
    return 0;
```

```
}
```