

Program on swap TWO NUMBERS

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%d\n%d", a, b);
```

```
printf("a=%d\n", a);
```

```
printf("b=%d\n", b);
```

```
return 0;
```

```
}
```

```
"b.% = redam bezrav99") Haizq
```

```
; ((num) g2rg699
```

```
; 0 acutag
```

```
{
```

C program to Reverse a Number using
Temporary Variable

```
#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;
```

```
}
```