

```
1) #include <stdio.h>
// Function to calculate sum of digits
int sumOfDigits(int num) {
    int sum = 0;
    while (num != 0) {
        sum += num % 10;
        num /= 10;
    }
    return sum;
}
int main() {
    int num;
    printf("Enter a number:");
    scanf("%d", &num);
    printf("sum of digits: %d\n", sumOfDigits(num));
    return 0;
}
```

2) #include <stdio.h>  
// Function to reverse a number  
int reversenumber(int num) {  
 int reversed = 0;  
 while (num != 0) {  
 reversed = reversed \* 10 + num % 10;  
 num /= 10;  
 }  
 return reversed;  
}  
int main() {  
 int num;  
 printf("Enter a number: ");  
 scanf("%d", &num);  
 printf("Reversed number: %d\n", reversenumber(num));  
 return 0;  
}

3) #include <stdio.h>  
void swapnumbers(int \*a, int \*b) {  
 \*a = \*a + \*b;  
 \*b = \*a - \*b;  
 \*a = \*a - \*b;  
}  
int main() {  
 int a = 10, b = 20;  
 printf("Before swap: a=%d, b=%d\n", a, b);  
 swapnumbers(&a, &b);  
 printf("After swap: a=%d, b=%d\n", a, b);  
 return 0;  
}