Sum of digits by using function.

```
int add_digits (int n)
 {
    int s = 0, r;
   while (n != 0)
   {
      r = n % 10
      s = s + r;
      n = n/10
   }
   return s;
 }
void main()
 {
  int n, r;
  printf ("\n, Enter the number");
  scanf ("%d", &n)
   r = add_digits(n);
  printf ("\n sum of digits = %d", r);
 }
```

2. To print a reverse number by using functions

```
int reverseNumber(int n)
  {
   int reversedNum = 0;
    int remainder;
  while(n!=0){
   remainder = n%10;
  reversedNum = reversedNum * 10 + remainder;
        n /= 10;
  }
   return reversedNum;
}
Int main(){
    int num;
  printf("Enter an integer:");
   scanf("%d", &num);
  int reversed = reverseNumber(num);
  printf("Reversed Number = %d\n", reversed);
  return 0;
  }
```

(8) to swap two numbers without using third variable by using functions.

```
Void swap(int a, int b)
  if((a!=b){
     a = a-b
     b = a-b
     a = a-b
   }
  Int main(){
```

```
int num1 = 10 , num2 = 20 ;
 printf ("Bofore swapping : num1 = %d , num2 = %d\n"
                num1, num2);
 Swap (&num1, &num2);
printf ("After swapping : num1 = %d, num2 = %d\n"
                num1, num2);
return 0;
}
```