

main.c



Run

Output

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int square(int);
5
6 void main()
7 {
8     int num, ans;
9
10    printf("Enter your number:");
11    scanf("%d", &num);
12
13    ans = square(num);
14
15    printf("Square of %d is %d.", num, ans);
16 }
17
18 int square(int n)
19 {
20
21    return(n*n);
22 }
23
```

/tmp/GYI3YUshVT.o
Enter your number:4
Square of 4 is 16.

main.c

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int square(int);
5
6 void main()
7 {
8     int no,factorial;
9
10    printf("Enter a number to calculate it's factorial\n");
11    scanf("%d",&no);
12    factorial=fact(no);
13    printf("Factorial of the num(%d) = %d\n",no,factorial);
14
15 }
16
17 int fact(int n)
18 {
19     int i,f=1;
20     for(i=1;i<=n;i++)
21     {
22         f=f*i;
23     }
24     return f;
25 }
26
```

Output

```
/tmp/GYI3YUshVT.o
Enter a number to calculate it's factorial
6
Factorial of the num(6) = 720
```


main.c



Output

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int gcd(int x, int y):
5 int main()
6 {
7     int num1, num2, hcf, lcm;
8
9     printf("Enter two integer Values:\n");
10    scanf("%d %d", &num1, &num2);
11
12    hcf = gcd(num1, num2);
13    printf("GCD: %d", hcf);
14    printf("\nLCM: %d", (num1 * num2) / hcf);
15    return 0;
16 }
17
18 int gcd(int x, int y)
19 {
20     if (y == 0)
21     {
22         return x;
23     }
24     else
25     {
26         return gcd(y, x % y);
27     }
28 }
```

/tmp/GYI3YUshVT.o

Enter two integer Values:

20 14

GCD: 2

LCM: 140

main.c



Run

Output

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3 int find_factorial(int);
4 int main()
5 {
6     int num, fact;
7     printf("\nEnter any integer number:");
8     scanf("%d",&num);
9
10    fact =find_factorial(num);
11
12
13    printf("\nfactorial of %d is: %d",num, fact);
14    return 0;
15 }
16 int find_factorial(int n)
17 {
18
19     if(n==0)
20         return(1);
21
22
23     return(n*find_factorial(n-1));
24 }
25
```

/tmp/GYI3YUshVT.o

Enter any integer number:8

factorial of 8 is: 40320



```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3 #include <math.h>
4 int reverse(int num);
5 int isPalindrome(int num);
6
7 int main()
8 {
9     int num;
10    printf("Enter any number: ");
11    scanf("%d", &num);
12
13    if(isPalindrome(num) == 1)
14    {
15        printf("%d is palindrome number.\n", num);
16    }
17    else
18    {
19        printf("%d is NOT palindrome number.\n", num);
20    }
21
22    return 0;
23 }
24 int isPalindrome(int num)
25 {
26
27    if(num == reverse(num))
28    {
29        return 1;
```

/tmp/GYI3YUshVT.o

Enter any number: 567

567 is NOT palindrome number.

main.c



Run

Output

```
18 {
19     printf("%d is NOT palindrome number.\n", num);
20 }
21
22     return 0;
23 }
24 int isPalindrome(int num)
25 {
26
27     if(num == reverse(num))
28     {
29         return 1;
30     }
31
32     return 0;
33 }
34
35
36
37 int reverse(int num)
38 {
39
40     int digit = (int)log10(num);
41     if(num == 0)
42         return 0;
43
44     return ((num%10 * pow(10, digit)) + reverse(num/10));
45 }
46
```

/tmp/GYI3YUshVT.o

Enter any number: 567

567 is NOT palindrome number.