1. Write a function to calculate Lcm of two number (TSRS)

```c
#include <stdio.h>
int main ()
{
    int i;
    for (i = 2; (i <= a*b; i++)
    {
        if (
```

2. Write a function to calculate HCF of two number (TSRS).

```c
#include <stdio.h
int hcF (int a, int b)
{
    int i, n;
    n = a < b ? a : b;
    for (i = n; i >= 1; i--)
    {
        if (a % i == 0 && b % i == 0)
        return 0;
}
```

3. Write a function to cheak wheather a given number is prime on not (TSRS).

```c
int Prime (int x)
{
    int i;
    for (i = 2; i < x; i++)
    {
```

```
        if ( x % i == 0)
          return 0;
      }
      return 1;
    }
```

4. write a function to find the next Prime
    number of a given number. (TSRS)

```
    int Prime ( int x)
    {
        int i, a;
        for (a = x+1 ;  1 ;  a++)
        {
            For ( i=2 ; i<a ; i++)
            {
                if ( x % i == 0)
                  break;
            }
            if ( a == i )
              return i;
        }
    }
```

5. Write a function to print first N Prime
    number (TSRN)

```
    void Prime ( int x)
    {
        int i;
        for ( i=2 ; i<x ; i++)
        {
            if ( x % i == 0)
              break;
        }
        if ( i == x )
          printf (" %d ", i);
    }
```

6. write a function to Print all Prime number between two given number. (TSRN)

```c
void Prime (int a, int b)
{
    int i, x;
    for (x = a+1; x < b; x++)
    {
        for (i = 2; i <= x; i++)
        {
            if (x % i) == 0
                break;
        }
        if (i >= x)
            Printf ("%d", i);
    }
}
```

7. Write a function to Print first N terms of fibonna fibonacci series (TSRN)

```c
void fiberanacci (int n)
{
    int a = -1, b = 1, c
    while (n)
    {
        c = a+b;
        a = b;
        b = c;
        Printf ("%d", c);
        n--;
    }
}
```

8. Write a function to Print PASCAL Triangle. (TSRN).

```c
int Pascal (int n)
{
    int i, j;
    for (i=0;
```

9. Write a program in c to find the square in any number using the function.

```c
#include <stdio.h>
int main ()
{
    int n, Sqr;
    printf (" Enter Number");
    scanf (" %d ", &n);
    printf (" %d ", square (n));
    return 0;
}
int square (int n)
{
    int s;
    s = n*n;
    return s;
}
```

10. Write a Program in C to find the Sum of the series $1!/1+2!/2+3!/3+4!/4:5$ using the function.

```c
#include <stdio.h>
int main ()
{
    int i, sum = 0
    for ( i=1 ; i<=5 ; i++)
    {
        sum = sum + flot (i)/i ;
    }
    Printf ("sum is %d", sum);
    return 0;
}

int fact (int i)
{
    for ( i=1 ; i<=n ; i++)
    fact = foct * i ;
    return 0;
}
```