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Assignment (I)
             a function to calculate LCM of two number (TSRS)
   # Include (Stdio.h)
    int LCM (int x, inty);
    int main()
       int a, b;
       Brinth ("Enter 2 Number = In ");
       Scanf (">1.d", fa, lb);
       Printf ("LCM = xd, Lcm(a,b));
        return 0;
      int LCM (intx, intx):
        int i, j;
        for (i= x > y ! x : y; i < = x * y; i = i + (x > y ! x : y))
           if (i / x== 0 ll i / y== 0)
             return!
1 write a program function to Calculate the Het of two number (TIRS)
    ind HCf (ind x, indy);
    Int main ()
        int a,b;
        Print f (" Enter two number \n"):
         Scamf ("xdxd", 49, 86);
        Prints ("HCF is xd", HCF(9,6));
        returno;
      ind HCF (int x, intx)
        int 1, 2= x7y ? x.'x;
for (i=z; i<=x >y ? x.'y; i--)
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return !;
         else
           return!;
  write a function to check whether a given number is prime or not (78RS)
#include (stdio.h)
  int PRIMe (intx);
   int main ()
     int n.A.
      Prime ("Enter a number =");
     Scanf (" "d", fn);
     A = PRIME (n);
     if(A==0)
        Printf ("Not Prime");
     esse prints ("Prime"))
      returno;
      int PRIME (int X)
     (inti)
       for (i=2; i<x; i++)
       (if(xx) = 0)
          returno;
(T) write a function to find the next prime number of a given numbers (TSR)
   # include (stdio-h)
    int nextprime (intx);
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int main ()

inAn;

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Printf ("Enter a number = ");
     Scanf ("1/d", En);
     Brintf ("Next prime number is = itd", next prime (n));
      return 0!
     int nextprime (intx)
       inti, j;
       For (i= x +1; (< i+ 1; i++)
         Ray (3=2) j<1)j++)
         ( if (1×j=20)
            break;
        if (i==j)
         return 1;
write a function to print parst N prime number (75RS)
  int Broth poine (int);
   int main ()
     int n'
      Printf ( "enter a number = ");
      Scanf (" xd ", An);
      firstNpoine(n);
      returno;
     Voi d'inst Nprime (int x)
        int i, j, a = 0;
       For (i=1; i <=1; i++)1
         For (j=2; j<1; j++)
         (if(ix)==0)
            breck
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ir(i==j)
             Printf ("xd", i);
             a++;
              iF(a == x)
               break;
            function to print all prime number between two griven aumber
                                                                         (75RN)
    write a
(b)
     #include (Stdio.h)
      int all prime (intx, intx);
      int main()
      1
        int a,b;
        Binth ("Goter 2 number (n");
        Scanf ("xd xd", fa, 4b);
         all prime (a, b);
        retorn D;
        void all prime (intx, inty)
        I printf ("Prime number between "d and are (", n, y);
          intin;
          for (i=x; 1<= y; i++)
            for ( j= 2 ; j<1; j++)
            (if (i x j == 0)
                 breck;
               if (5==1)
                  Print(" " d", i);
          }
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(F)
     comite a function to print M terms of fibonacci series (75RN)
    #include(stdio.h)
     int fibonaccisences (Intx);
      int main ()
       int n;
       Printf ("finter a number =");
       Boomf ("xd", 4n);
       Fibonaccisenies (n)
      setver o;
       int fibanaccisenies (intx)
         inta=1, b=1, c=0;
         Printf (">d terms of libonacci Series is =", x);
         while (x)
           C= a+b;
           a=b',
           b= c;
           x--;
          Pn'ntf(" /d ", c);
   write a function to print PASCAL Triangle (TBRN)
  #include < stdio. h)
   int factorial (inf);
   int combination (int, int);
   int Pascal Iniangle (int);
    ind main()
   8
      int n, x;
       Printfl'iEnter number of Colours for pascal triangle = ");
       scorf ("/d", &n);
       factorial (n)!
       Cambination (n, x):
      Pascaltriangle (n);
      seturno;
```

```
int Rectarial (inta)
  int b = 1;
  while (a)
    b=b*a;
    a -- ;
 seturnb;
int combination (int x, Int y)
  return (factorial (x) / pactorial (n-y) / Pactorial (x));
 int Pascal - Triangle (Int X)
  fint i,j,k;
    for (i=1; K=x; i++)
     k=1;
     int n=0;
    For (5=1; j<= 2 *X-1; s++)
      if (jz=x+1-124j<=x+1+124k)

1 printf ("5,2d", combination ((i-1), x));
         K=0;
         8#+;
      else
         Print (" ");
         K=1;
     Printf (" \n");
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```
1 conte a program in c to find the swore of any number using the
      # include < stdio.h)
       int square (intn);
      int main ()
        intx;
        Printf ("Enter a number = ");
        Scamf ("/d", fx);
        Printf("S leave of xd 1s = xd", x, sheave (x));
    write a programa in C to find the Sum of the series 1!/1+2!/2+3!
℗
      13+4! /4+5! /5 using the function.
     #Incolde(Stdio.h)
     intfun(intn);
     int add (int n);
      int main ()
        int x=5;
        fin (x);
        Printf ("sum is = 2d", add (x));
        setumo!
       int add (int m)
         int 2=0;
        while (n)
       zetven Zi
         while (n)
```