

```
(2) Factorial.
  # in clude < stdio.h>
  int fact (int );
   int main ()
        int n,f;
        printf ("Enter the value of n \n");
Scanf ("1.d", &n);
  f= fact(n)
      printf ("factorial = 1-d", f);
     int fact (int n) a second
           if (n=zo) return;
         else if (n==1) return 1;
    else return n x fact (n-1);
(3) Faibonacci Series:
         1 to 1 50 3 1 1 3 1 0 5 0 1 1
   # include < Stdio. h> made.
    int fib (int);
int n, Di;
   printf ("Enter the value of n?");
Scomf (" 1.d", &n);
        printf (" 1.d fib num are m", n);
```

for (i=0; i<n; i++) printf (" fib (1.d) = 1.d \n", i, fib(i) int fib (int n) (1==0) +1
2 (1=0)+1= book from if (n==0) return 0; if (n==1) return; return fib (n-1) + fib (n-2); (cx(b) and an) h This Trong do so squared must on (4) GCD program. # include < Stdio. h> int hef (int mi, int m2) int main () { int n1, n2; printf (" Enter 2 positive integer Scanf ("1.d.1.d, &n1, pn2);

printf ("GCD of v.d cmd 1.d

is 1.d. h1, n2, hcf(n,

n2)); Live set I de tuento; hour til int hef (int m), int m2) { if (n2!70) return hof (n2, n1, n2); return n1;

(5) Binary Search.
3
include < stdio.h>
(A) (A) (B) (B) (A) (A) (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B
int binary Search (int arr [], int I, intr,
int n)
if (1>=1) { (1 tai) did tai
int mid = I + (r-I)/2
11 mile = 17 (0 = 2 m) g 4/
If (arr[mid]==2)
(send metusn midigit must a
if (ar [mid]>2)
return binary Search (arr, I, mid-1,2);
- marine and the
return binary Search (arr, mid+1, x, x);
1 U. D. D. D. D. D. D. D. C. T.
return en fair 100 for for fri
De parte de Frei
Lint main (void) is there
3. (of y 1969, (61-61-7) 16-72
5. 1 int 1000 EJ 2: 3 2;3,4,10,403.
int in = Size of (arr) (size of (arr [0]);
1115 7(2 (0)
int reput 20 binary Search (arr, 0, n-1, 2);
(result = z-1)? printf (Element not forunt) at index 1.d " result);
printf ("Elemlement found
at index 1.d", result);
The state of the s
return of
3 Harrista