1). Postfin mahahion:-# include estatio. h> # irelade cmath. h> # include Estoring- h> double compute Char symbol, double of double op 2) Surifeth (symbol)

'+': return (op) + op2); conse (-): return (ap1 - op2); case . (* i return (gpl x op2) / : return (oplop2); Case 'a' : return (pour Copl, op2)); Case void main!) Louble 5[20]; double us, op1, op2; int top, i; chair postfix [26], syntalis printf ("Entre postfin uprussion In"). scen f ("1.5", posthin); for (1=0; 12strlm (postfin); 1++) symbol = posthize [i]; if (isdigit (symbol)) s(+ thep) = symbol - '0'; op 2 = sldg-- - J;

op 1 = 5 [top - +]; res = compute (symbol, op1, op2); slithop J = res; as = sltop -- J; printfl''Result of the given posthin operation 2 f | n", res) Program 2: horn to prefinit # include < stolio - h7
include < storing h7 # inhade < stdlib - h> rut F (chen synbol) auch (symbol) '-': return!) case '/': return 3; caso Case c\$' , return 6' Censo

and ')': return 0; come '#': seturn -1) default: return 8; int G (char symbol) swith (symbol) case '+': case '-): return 2; cone 11: return 4; case 1/1 Case \$5': seturn 5; case (1's octum 0: case ') : return 9; default: return 7; void infin prefin (char infin [] char pubil] d int top, j,i; Man o[30], symbol;

s[++10p] = '#1 j=0· Storeu (infin); for (i= 0; 1'c stolen(india); i++) symbol = intincil; while (F(s[top]) > G(synbol)) profin [j] = s[top--]; if (F(sttop])! = G(Symbol)) 2 SE++top3 = symbol; which Cs Epop]!

prehin [;++] = s[bop --]; prefin c;) = '(0'; strew (putin); void main() char infin [30], prefin [30] printf(" Enth the vailed inhin enpussion: In"). seconf (" 1/5", intin); inhin-prefix (inhin, prefin) printf("The putin enpussion is: I'm") printf("·/s/n", pulm); 3: furborial: # include estatio h> int fact (int n) if (n== 0) return 1; return (n + faut (n-1)); roid main ()

printfl" Enter a number In") 9conf (" 1.d", dn); printf!" The fontorial of 1/d = 1/d", m, faut (in 4: 6CD. # include cstatio-h> int gco (int a, int b) 1'f cb! = 0') de la maria de la maria if (a1/b = = =0) return bj e lse qcn(b, (a.1.6)); pristfi" Innalid set of numbers. in') void main () int a,b,t;

```
printf( Enter 2 numbers \n')
Scamf (" '/.d'/-d", &a, &b).
if (a < b)
 t = 01)
  a = b;
  b= t)
printf("GCD of 1-d and 1.d is 1.d"
   a, b, ((n(a,b));
```

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