6/06/0 1. Waste a barodorou to basut tipovace; seases regul Yem: 10 based tipources session region as seconsison ways in a longuage Algorithm: Add integers value to num. Then sinn a fost loop (ico; icoum; itt) To each iteration point and call the fibonacci series function with i as a parameter in the Dicourieve function (1-1) + fibonaci (1-2) # include < state >> int tibonace; series (?) { # (ix=1) ration. salism (-tiponarci (i-i)+fibonarisanics (i-2)); int main (void) { ind num = 10,1; -Fosi ( =0; ix num; i++) { point (" o/d" fibonacciserias (i)). meterno;

2. white a program to check the given no is Armstrong or Lot using recoursive function. no point some trong humber checking using siecusing -function. Algorithm: 1. stoot 2. define function power and input base and capatiment 3 it expeniment is 0, metworn 1 (base case), otherwise orchorn box multipled by power (bax, experiment) ( sicagosive ok) Defenc function (order) Import 'hum' intalize count to o conste Humi is not o; defenc mean function declare the integer ! Number!.

Call the Armstrong (rumber)

If the result is!!! print the Number is an Armstrong other coises point the Lumber Mot an some trong Number. # include < state h> # include < math. hs int fun (int num) 5

Port count =03 cohile ( Lumi) & num = num/10: Count ++; return count; int two (int num) of ent dens forc (num): ant sum=0; while (nom) = 0) } ?nt temp2 = num % 10; sum = sum + pow (temps, temp): vow = vaw/10: oction sum = original int mour () { int num sconf (%dd, &num); of (funca (num)) } bosutt (" of q" is ormstood", now); clsc g prient f (" of d is not exmetrong", num); cossite a program to find the GCD of two numbers Agm: To posint the Good of the Humbers using occursing facto sization Algorithm: start
take function integer onome ged intite and b
if b=0 rateon to a close make ged (b, a > b) int main () Take the Num! Huma Assignations and parintged ( Numi, Nums) # enclude < stop 12 ent god (into, intl) 7 (b-0) sicition 93 clac sodan god (b, 9% b): en marc) } but vom 1 = 142 Vom 3= 18; posint ( 1 % d ", gcd ( Num, Num 2));

work a program to got the largest element in Demi - to posent - the largest element in a array using c longuage Algomethm: Tale int main () Take Int num () esseem, the ording in the program al ] = {1, 2, 3, 4, 5} 4. using the foodoop to find the max dement s point the max element 6. stop West bound + encluder stoo h int main () ?nt n= size of (oor) / size of (ovr[o]); int max = our Eo]; for (int i=1; lan; itt) } } (xpm < [13 row) 7; Mar = 2007 [3]; point (%d in ", max):

pornt (" of din; max): melion of 5. courte a program to And the footonial of the Number Arm: To find (print) the factorial of the plumper Agos show : 2. vair hall function with argument (3nt num) 3. if run: 0 action i de order sum (num) to two lown) 4. New (eap out morror) 5. Assign value 5 6. print the tackonial 7 stop Code : # include & stoich void for (art rum) { if (num = =0) { retwon! setur func (num) of fun (num -1) Int nume ) ent num 5; Print+('ex'd', fun (num)); 3 seturn 0;

waste a paragracon ton to copy are string to Another Thur; so bright a bardway to cold as strud to Another strong using siccusistion 2. upc void function copyeting Assign transition sources. destruction to capy the string from source to detruction 3. Destruction = 8000000 use the copyshing () 4. Int main() use not point the source and 5. destination file # include < stolio h void copystring (char & source, char & destiruction) 2 of (\* source= 10) } costination = (0); soluni: I destration = source; coysting (source +1, Letination +1); port main () char gowier []= Hello! char destanation [50]; copyeting Course, destination). psentif (" of s' source);

pointf('ox's destenation) solun o; I conite a program to sievose the string using APM: To Posint the Revorse of, a strong using occurs 8. Data the void (Null) function Nome reasons Priput 3 if storts = and return else chan temp = str [stort]; str [stort] str [end]; str [end] 4. Take the ent main () { 5. and can the function Revorse (chan, int, int) 6. point the str 7 sichan the function 8. 5 408 Coc: # 3rc lude votoso h # include esting.h void sevoso (chartestrint start, int end) [ if (stoot >= crd) { char temps str [start]; str [stoot] = str [end];

stronds temp; owners (sk. stood +1 mod-1); } Ent main () } chan still houseasty. ocurse (str, o, strlen (str) -1); ; ( to "2%") Home netrono; 8 Marite the baodaram to deverage on the boune yours ling swason. Am: The program to print to generate the All the being hombors regul DICCORDESDON. 1. Define a successive Humber function that Accept an integer Num. 2. instalize a variable "i" to ? 3. If nom is equal to 0 21, then RETURN false 4. If num is equal to "i", then Retord true. 5. It num is divisible by "?", the Retorn false incorement " ?" 7. Recursively gal the function and pass num as an algument Codef # ?nclude xetdio.h> # include storo. h bool find paine ( Pot num) Estatec int i=0;

18 1 mm - 4 11 mm + = 1) marian lake Tr ( num : p) madian Imue; Pf (num / paso) nown fals; return tend princ(num); int mounce) ; of = mun to? it (find. poline (num)) point ( "oxd"is a poinc Nom best /1", nom); printf (" %d is not a prime number") hum argan 03 9. moste a program de chede a lumbor : a prime humbon on hot cornal succession. Ami To check a humber is a prime number not secons for

Algosithm a define the secusion function which Accept as integer as apprometa, say num. 3. intalise to value of : will 's" 4. Noo, decide the base condition of the function when the Num value is gual to 0 & 1. the schoon the false 5. if the Hum value is equal to 1 then ordion touc 6 if the Humbon is desirble by 1 then solum take Jetion false and irround; 7. here colling the finetion successively will of smaches # Probatecto b 4 include rated by boal is-poster ( got our ) I state tot 1=2; : f (nm == 0 | | nm = = 1) I when false: 24 (num == i) metun false; (mm) smeq- is maken

plante () The case the W (to poor (ca)) pood ( 6 yet can prose worker la ; com) . prod + ( · x d 3 rod o prea runbo; dum) 10 Gener along a policione 81 that comp recession Tem to point the program to check the whether string to publisher & not using transition. 3 of the struct as one of 300 operators of 30 byggame 3 of the tiret and last character of the string are unequal, eys not a polymbine 4. securisively deck if the substing test excellences to # include establish bool - tone (chan \* short short, int ord) {

if (stool >= end) { solure touc; 7 (Chr[stort]] = of[od] to order fole; } metern func (str, short +1, and-1);} 3 ( ) nin to chan str [100]; sconf ( %s, sty); int length = strlen (str) = if (func (str. o. length-1))? pantf( 4. s. s.k); } por not ("/s is not polindome" str); I setur o;