Assignment-7 WAD to find the Nth term of the Pibonacci series #indude (stdo. n> (Inf man () int 0=0, b=1, n=10; int sun = 0; printf(" y.d y.d", a, b); for(int i=0, i< n; i++) Sum = a+b; print[" y.d ", sum); 9= 6; b = sum; 2 printf("%d", output: 011235813213458 D) WAP to check & whether a given number is therein the fibonacci series or not. #inlude (81 dib. h) int sum = 0; num = 21, 9=0, 6=1; for (intizo; ic num; i++) < sum = a+b; if (sum = = num) printf("found"); break; H(sum>num) printf("Not found"); break; 926; output: found 21 b=8un; prints("y.d", num); getun 0;

D WAP to print first N natural # terms of Pibonacci suis. Afriludelotdo. h> int main () MOS A T. OSTEN TOS. int temp =0,9=0,621, n=10; FER BUILDING printf ("y.d y.d", a, b); for(int 1:0) i(n; i++) sum tempzett; printf("y.d", temp); b= temp; output: 011235 8 1321 3455 89 getuno; 1 WAO to calculate HCF of two numbers. #Pulude (stdio. h) -86 61 E 8 11 18 13 8:0 : pain int main! inta, b, minge, hefilmen and a los tring of 1601 b=6; I a 16; two. Live for[i=1; i=min; (++) riducing and policy that 4(a%i==066 b%i==0) hef=1) Alaskan inchie printfl" intect of two number is "d", hef); output: MCF of two number is 2. De WAP to check whether two given numbers one coprime gretierer 0; for (i=1; i <= m.iu; i++) humbers or not d if (axi=0 66 by i==0) # include (statio. h) int main () hcffl sall land int a, b, min, i, h cf; tit (hef == 1)
printf ('Coprime numbers !); b=3 elle printf (" Not co-prime"); min = a < 6? a: b; netwino;

(6) WAP to print all frime numbers under 100 Herelede & stoleo. h> offer of a confinction int n 2100, i, j, count; for(i=1; i\s n; i++) (T 13 : N 3' 1 1 2 1 1 high bo. · count =0; and the growth of the もの()=1; j(=n, 5++) . . print [" of the fourt ~ if ([',j==0) count ++; (f(count == 2) = 5110 : 119010 print(",d",i); getween o; modernie auch for ADII about our Ence output: 23 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97 D WAP to print all prime numbers b/w two given number tintude (stdio. h) Tid on Selection (14) THING THE int a, n, i) j, count; printf(" Enter two numbers"); scanf("r.d", 6a, 6 n); torli=a; iz=n; i++) dount =0; for (j=a; j <=n; j++) 2 if (ixj==0) in many out multiple of it if (count ==2) output Enther two numbers Print { (", c); 2.3 (S) 17 (N) M, No. gieturn 0; were to son "Talwing sale of the first as of the

Dinclude Statio. h int i, J, n, cound; printf ("Feder a number: "); scanf(" y.d", &n). pos(i=(n+リ; ic=(i+); i++) < count =0; for(j=1;j'<=(i+1);j++) d it (i/)==0) count ++; 5. H (count == 2) L print ("Nent brime number és 1.d", i); Output: Enten a number: 8 Next Brime number is 11 getwin 0; WAP to check whether a given number is an Armstrong himber or not # Unelude (stdio. h) int main () int n=371, r, sum so, temp; temp = n; whele (n) 8= n 1.10; sum = sum + (xxxxx); n=n/10; [100]] | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 if (temp = = sum)
printf ("Amstrong number"); printf(" Not Armstrong number"); networn o;

WAP to print Armetrong numbers under # Include (stdio. h) if (sum == 0) # include (tonio h) prentf("%d", sum); int main() int n=1000, a, b, count=0; Sum = 0: i'nt oum, sum =0; nem = 0; count = 0; while (a) b=a: while (b) return 0; netwour o: b=b/10; count++; b=a; while (b) rem 26%010; Sum = sum + pow (nem, count). b=b/10;