Programming Fundamentals Digital assingment: 1. Algorithm and perogram for weather station in chennai has recorded rainfall of first ten days court and print the state of sainfall Value loss than 12 low and 12-20 medium and mathen 2013 company o misilsony con locarita algorithm for (independent) of Stp1: Hart Sto22 Declare i, how, lessed, medium =0; high=0; Stp3: using for loop tassure i=0, 12=9 and Apt: chack condition is and should less than 9 Stps. check condition array nEi7 should dessthan and equal to 12 By using of statementardinament If condition fails get into else if Statement and check conditionif nci) is freeth 12 and nci)220 of Display result and increment medium ++ Ste 7: 5) it condition fails get into else of block and check ncijs=20 and display regult and increment the high.

Stp8: Display, less rainfall days and days ushich have medium and high law fallstonation promorpors Spa: 18top: 1810. John Programe: margary less matingth # include 1stdio. W con inner Welling Void mountage bus to the work with explored to be a complete out of his wal don't not saled Inti, n[10], less=0, medium=0, high=0; for (i=0; i = 9; i++) Printf (" Enter the measurement of sainfall in cm"); 1. 3cary ("1.d", &NEi]) 10 price 1818 Profestig COEF A= 12) (Solitors) Auto 10) bising less. Such ring were willbrow buts 200 Printf (" it has low rainfall") files of it less this wastill and it. House of 3 12 Note Byo. Long. Hold eleifen EiJN12 && ntijk200 E. printf ("it has medium rainfall NA); medicumet;

else if (nti]>=20) & Pointy l"it has high roun feel"): hight; Munible that Printy ("1.d days had less rainfallin", less); Printy [" 1d day had medium rainfallin", medium Printy l'11 d'days had high trainfall n', high); getch (); (ny. 2.) Program for GCD #inchede 28tdio-12 Void main() (1) (1) e int ni, n2, i, gcd; Printy ("enter the two numbers"); Scarf ("/d//d", &n. 812); for (i=2; i Ln ; 6& i L=n2; ++i) int (n1.1.i==0) 12.1.i==0) gcd = i; g Prints ("1.d is the good for this two number", ged) 2 getch ();

3.3 Write a Program to find the value of Pi upto in terms. Ti = 4 - 4/3 + 4/5 - 4/7+ 4/9 - 4/11 2 ("World Haras April Bat 11") (Lores & # include 28td io.h void maine) est of the interpretate to the agents to 1/10/1/1/1 double p=0; bishmal. bishlight fortis; it Printf ("Enter the number" scanf ("1.d", &n); (d) for (i=1; i2=100; i++) € if (i/·2==0) P= P-(4·0/(2*i-1)); elsed p=p+(4.0/(2°1-1)); 3 Print f (" / FIE", P); 130 1, 100, 100 100 getchur, and Minimited (14-1-100 + 1100 + 011 + 011) (14-1-100)

His H include Labolioth Void maines & char n, a, A, b, B, C, C, d, D, b; Printf ("enter the grade"); scamf ("1/z", 8n); If (n=='a'|| n=='A') & Printf (" this perade have 10:1: kliscount"); 3 else if (n=='b'11n=='B') Print (" this grade have 81.1. discound"); else if (n = = '(') h=='(') Printf ("this grade have 61.1. discourt"); de 11 (n== 10! | n==10!) Print of ("this grade have 51.1. discount"); Atcher, 3 a reasonable design to the same Program #include 1stolio.ly Vaid main!) & intrih; float Pi = 3:14, a=0, V=0; Printy (" Itrea of circle In 2 volume of cylinder In Area of sphere In");

Scort ("1. 13. an); Printy ("enta radius"); Scart ("1.9", 8x); Mand Mand of my &witch (n) ¿ Case 1: (d. (1/1), D. D. (1), A. (1), A. (1), A. (1) " | a= p; ***; Printf ("Avea=-1.4", a); break; (Athillip all) Cass 2: Clock days of the state Printy liventar the houghter); stary ("1.d", &h); sold IV-Piloreth, Printf (" volume = 1.4", V); break; Case 3: out about 11/1/1/1/1/1/1 a=4+Pi+r+r; Printf("Area =1.1", a1 1. A. A. Break; Break; default; printf ("invalid choice"); 3
-getch(); y