## chapter-08

18.21 unit a prof

programming Exercise

Juminal (STAICH) [8.1] write a progream which treads your name from the keyboard and output a list of ANCII codes which represent your name. #include (Stdio.h) chan 62 [30] = 4 Atiques: # include (conio.h) # include < String.h> int main () f prints ("In Annon &"); int Ki,1; Chara dinner [100]; (129 "25") France prints ("Enter a String: (n");) quisate = 10 gets (dinar); I = Stalen (dinar); deposit ") Etained prints (" the ASCII · Values of String 7"); for (1=0; i<1; i++) & return 0; 4 [8:3] write a program which [1] inambors & text printf (" 20d", K) jy. busie molusiknop return 0; } A. DIBHES STUDION A # indude (comio.n) # include < string h)

18.2 write a program to do the bollowing: Mounts Emplement Pour #include (stdio.h) #include (conio.h) void main ( ) of toploo ban broadlan which respussed from the district Chan S1 [10]; # include Cotalions Char 62 [10] = "Atique"; # include (conio.11) prints (" who is the inventor of c?"); nom to prints ("In Answer is"); Scanf ("705", QS1)) ; [OOL] MANNIH STOND n = 8thomp (\$1,82); into a notatil) traing if (n!=0) gets (diran); prints (" tryagain"). prints (" Grood"); while HECEL with String for (1=0) ix1) 1++)? return 0; 4 18:31 Unite a program which will nead a tent and count all occurrances of a Panticular world. return C3 >

# include (stdio.h)

# include (conio.h)

# include & string.h)

void maln() { Const Chare \* Str ; 15 -1-17 [ = 7 = 1] stot const Char C; TE ( OLD] > 0 [1]+1] f int num = 0; from = a [2]; int i; constiond = Staten (sta); [[++] D = [] D for (i=0; i(end ; i+1) 2 iquot = [I+E] D (" Lb (Str. [i] Etag) for prints ut") & bring ++ num; }} Jon (i=0; i<m; i+t) { returen 0; prints ("20", all) 37 which will read a String 8.3 Write a priogram alphabatical order. and rownite it in 18.5] write a Program # include (stidio h) #inelude (string.h) maritano pol brision # include (conio.n) (1.016/2) shubin to # include (como.h) int sten (chan states) { ] Conlam biou Chan a [30], temp; int was 0; int n=0, i, j; ('ol'=![ras] ste) since prints ("Enter the String "); While ( a [n]!= '10') { Refund ten; of n++; 3

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Son (i=0; i<n; i++) f
  for (J=0; J(n-i-1; J++) }
  16 ( ac) > a [1+1] f
   temp = a[];
   a[5] = a[5+1]; . (m)
   a[]+1] = temp; /// (mo); :0-1) o),
   print f (" The String in alphabetical order mi);
  Jon ( 1=0; i<n; i++) }
   printf ("2c", a[i]);}
                     · to replace a particular
18.5 wrûte a program
     world by another world in a given string.
  # include (stdio.h)
  # include (conio.h)
  int sten (chan str [50]) { I chan bour
   int lon=0;
   While (str [len] != 10')
   len ++
   len;
   Meturin len; 'y
```

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Void Steat (Char Str. 1 [50], Char 2 [50]) {
int 1=0; len=0;
while (Str. 1 [len] [=10')
len ++;
While (Str. 2 [i] != 10) }
Str.1 [ven] = Str. 2 [i]; } (])
             from (7-03 75-100 33 74)
1++3
len++34
Len Str 1 [ren] = 1003 ) 12 = [c + ] = -6
                     Sta 1 [1+3]: 'Ic!
Void main L) {
Chan Str 1 [50], Str 2[50], Str 3[50], temp[50],
Int len, lenz, len3, i, J, match, K;
prûnts ("Inin it Enter a SENTENCE");
gets (Str.1);
                         Put (Strd);
len1 = Strlen (str.1);
print f ("In m Enter a String to delet:");
 gets (Str 2);
  ien 2 = stalen (sta2);
 prints ("Enter a String to insent");
 gets (stn 3);
len 3 = Stolen (sto.3);
for (i=0; i <=len; i++) {
match=1;
```

void steat trime fon (j=0;J<=len ;J+±) {
- 170 ib (str 2 [J] ]= str 1 [i+j]) } match=0; 2 (101) =! [1] 2 mt? ) 3 stutu Break; } Str. 1 [cen] = Str. 2 [i]; Ur (match); fon (J=0; J<=len 3; J++) Stn 1 [i+j] = Stn 3' [[]; [mi] 1 nt2 mil Stn 1 [i+j] = '10'; } f() mian bist Len1 = len1+len2+len3; [100] total toi Prints (" m) Tuding of State of the mone of the state of pots (str.1); (Lots) melate : Loss ; (Lots) or points : Loss gets (str. 2);  $Un2 = Struen (Stru2)_5$ Pounts ("Enten a Strong to inspirt"); gets (stu 3)3

1177 32 appear 1 cto 2).

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18:6) write a progream that reads a string from the
      Keyboard and determine whether the string
      is a palindrome on not.
     # include ¿stdions
     # include (conto.h)
                      the from
      Void main () f
      int pelin (chor []); with the starter
      int flog;
      Charz Str [30]; (doille) shulmily
      prints ("* **** PELINDROME -STRING **** In (n')
      prints (" Inter string");
      Scanf ("7.5", Str.);
      ib ( pelin (str.)) it is the for the had saids
     prints ("In STRING IS PELINDROME");
      prints ("In STRING IS NOT PELINDROME"); }
      int Pelin (Charc Str []){
      int flog =0,1,7;
      Chare riev [30]; July Junes
For (i=0; Str [i]!=10' 3 i++)
      rav[i] = Stn [i];
      for (J=0; i>=0; J++; i--) {
       if (rev [J] != 9tn [i]) f
```

```
flog=0;
                     grade a majorne that neads
    return (flog); }}
    flog=1;
                     r Privadeans on not
    return (flag );}
18.7) write a priogram that made the cost of an
     item in the bonn . RRRR and convents
     the value to a string of words the
      express the numerical value in words.
       #include <stdio.h>
       #include (string n)
      #include (Conio.h) ( counts or the " there
       void main () of
      Char int [27] [12]=9"one", "two", "three", "four", "five", Six", "Seven";
       eight nine ten erven twelve thirteen fourteen fifteen
      Sixteen Seventeen eighteen rimeteen twenty thinty sounty
      fifty Sixty Seventy eighty, "ninty"
     Charz Sthou [20]= "" Shund [20] = " "[20] = ", Sva 2[20] ="",
                result [100] = 11 11;
     int thouso, hund = 0, ten=0, temp=0, lall, balz, num, rem,
```

printf (\*\*\*\*Amount in worlds \*\*\*\* (n\n");
printf ("Enter any value (upto 4 digits);");

Scanf ("2d", &num); Strong (Strong) Hot Hours - 17). while (num>0) } : ( " broad ? thouse ? thouse Trem = num % 10; of Abrants & Hours for into C++; 1. (1-1xxx) f ib-(C<=2) it (tensod) 101 1: len/10.3 temp=temp \* 10 + rem; else if (C==3) Val 2: 120/10/10/4 hund = rem; f(x(131) di else if (c==4) :([Us sint wol pur floor) Rhays Third (many sous) from thou = rem; num = num/10;4 3 (0 ( bar ) - M Stropy ( Swall ) ind [Mall-1]); while (tempso) of Stocat ( travelt, Sval ?) . House ram = 7em % 10; prints In Amount in would ten = ten \*10+ rem; temp= temp/10; } private ( " Res", result ); Mithou C: Y 16 ( thou >0) § montoni s do medicon Stricky (Sthou, int [thou\_1]); istribute 20 Stricat (Sthou; "thousand"); Himology Stail hy Streat (result, Sthou); 7 # include -(conic.n) ib (hund) o) o Or XAM which to Wid main () of

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front (" & d", Crown);
 Stropy (Shund, Int [hund-]);
                                     } ( ) < min) Wisher
 Streat (Shund, "hundred");
                                    ich smai - mon
 Streat (result, Shund); y
 ib (ten >0) of
                                         (4 =>0) H
 16 (ten > 20) f
                             times from a 10 trums
 Val 1 = ten/10;
                                    (3--2) - W MB
 Val 2= ten 2 10; }
                                       fund - 100mg
 it (vas >0) of
                                    (Meta) to sun
Strepy (svall, int [valf(18-1)]);
                                        finall - mail
Streat (result, Savi); }
                                   A 135/ while worth
ib ( 4270) f
                                   while (tempy)
Stricpy (Sva12, int [val2-1]);
Streat (rusult, Sval 2); yy
                                   : 12m) = 7, m & 10;
prints (" in Amount in word"); " total total total
                              forps top/1853
printf ("25", result);
Meturen 0; }
                                  2 ( Thousa) }
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8.8 Develop a progream that will tread and storce the details of Students.

# include (stdio.h)

# define MAX 50

Void main () of

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Char Temp [MAX] = " ";
                     Temp 4 : Fill No [0];
int ROU-NO [MAX], marks [MAX], n, I, In [MAX], ROII-NO 1 [MAX];
Marius [MAX]
                        RUNO [341] = Temp 13
int Temp 1, Temp2;
                         TEM S = MARKA [J];
int j;
                Students Kame want to enter (n");
prints ("How many
                      444: 6 dust = ELLI Jamour
Scanf (">d", kn);
 printf (" Enter ROW & Name & total marcus (n");")
 for (i=0; 1<n; i++) (f of istness work UN 1059") thing
Scanf ("7.d", & RON_NO[i]); f(++1:10) ()=1) 1106
Scanf (" 225" & Stu-Name [i]);
Scant (" god", & more Ws[i] ) 1 (11) (12) (11) (11)
printf (" 2 & Roll NO Name marks in");
for (i=0; i (n; i++)}
printf (" god 905 god In", ROU_NO[i], Stu-Name, Marcus[i];}
for (izo; i(n; i++) {
Eb (Strump (Stu-Name []], Stu-Name []+1]>0) {
Stropy (Temp, Stu-Name [i]);
Strepy (Stu Name [J], Stu_Name [J+1]);
```

Stricpy (Stu-Name [J+3] stemp); XAMI word all states FRAM] GOST TOAS Temp 1 = ROU NO [3]; nd ROW MC [MAX] ROU-NO [J] = ROU-NO [J+]) DAMI MINI Reu-NO [J+1] = Temp 1; ind Front, Temps; Tem 2 = marks [J]; marks [J] = marks [J+1] ; fried ("How many marks []+1] = temp 2; }} 8 and ("so", len); prints ("In According to Student Names In"); printf ("RON NO Name marks my); 111 (1) for (i=0; i(n; i++) { ([i] ) M-MA ("b s") } mora printf ("2d % 5%d \n," ROU\_NO[i], Stu\_Name[i], marus[i]); y. fon (i=0; i(n; i++)· ( ([i]) Nimin & ("b) ("b) brisk) for (J=0; J (n-1-1,5++)) 1 10001 11 11 11 11 11 11 11 11 ib (Rott\_NO[J] > Rott\_No[J+1]) (S. basell) Though Stropy (Temp, Stu-Name [J+1]). Strepy [8tu-Name []], Stu-Name []+1]); Stepy [Stu-Name []+1], temp); Eb- (Strump (Stu-Trans Temp1 = ROW\_NO [J]; ROLL-NO [J] = ROLL-NO [J+1] ju Int qual ) 195013 ROU\_NO[]+1] = temp 1; [] mod ut?) Kgante

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Temp 2 = manus []; when I
  manus [] = manus []+1];
                                  programming Exercise
  manus []+1]= Temp 2; }}
 prints (" In According to man us: \n");
 prints ("ROLL NO Name marks \n");
  for (i=0; (n; i++))
 printf ("Zd Zs Zd In", Roll-NO [i], Stu-Name [i], Manus[i]);
 for (i=0; (<n; i++) {
for (J=0; J<n-i-1; J++) {
 ib (marks [J] (marks [J+1])
 Stripy (Temp, Stu-Name [J]);
 Stripy (Stu-Name II, Stu-Name []+1]);
Stricpy (Stu-Name [J+1] , Temp);
Temp 1 = ROU_NO[i];
 ROU-NO.[J] = ROU-NO[J+1].
ROU-NO [J+1] = Temp 1;
 Temp2 = manus[I];
  marus [] = marus []+1];
  manus []+1] = temp 2; yy
 printf ("In According to Roll NO: \n");
 prints (u Rou NO Name mare \n");
 for (1=0; i(n; i+t) {
printf ("2d & S . 2d \n", ROU_NO[i], Stu_Name[i], manua[i]);}
 neturen o;
```