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String Basics in C-language
                write a program to calculate the length of the String. (without using built-in
                            method),
             thindude (stdio.h)
                  int main()
                       inti)
                        char sto (30);
                         Printf ("Entera string #1));
                         sear (" hs"; &str);
                         for (i=o; stn(i); i++);
                         Printf ("Length of string = xd", i);
                         return o;
   @ write a program to count the occurrence of a given character in a given string
                      #includes stdio. h)
                       int mainl)
                                int 1,3, c=0;
                                 char str (50) in;
                                 Printf ("Goter a string=");
                                gets (stn);
                                Printf ("Exter a character to find his occurrence =");
                                 scarf ("xc", (n);
                                For (i=0; ixstn(i); i++)
                                             if (stn (i)==n)
                                                   C++;
                                    Printf ("Total occurrence of < xe) is they string = xd", m1c);
                                    redurno;
3 write a program to count vowels in a given string.
                         Hinclude (stolo. h)
                           inet main ()
                                   char str (50);
                                   inti, (=0)
                                   Printf ("Enter a string =");
                                  sets (Stn);
                                   For (1=0) ic sta Cii) itt)
                                           if (str [i] == 'a' || stn [i] == 'e'|| stn [i] == 'i" || stn[i] == 'o' || str[i] == 'o' || 
                                             11 str (i)= 'E' | | Str (i) == 'I' | | | str (i) == 'O' | | str (i) == 'U'
                                                    C++)
                                   Pointf ("total Vowel in this string = >d", c);
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a jiven string into upper cose
             program to convert
           Hindude (9+dio h)
            int main()
             char str (50);
              int i;
              Prints ("Enter a string = ");
             Jeta (stn);
             Printf ("String in upper cose = ");
             for (i=0; ixsto (i); i++).
                 ix (str (i) >964+ str (i) <123)
                   Str (i) = Sto (i) = 32;
                   Printf (">c", str (i));
                 else
                  Printf (">c", strCi);
     unite a program to convert a given string into lower case.
(3)
           #Include (stdio.h)
            int main ()
              inti;
              char str (50)
              Printf ("Enter a string =");
             deta (sto);
              Printf( (1string in Lower case = 11);
              for (i=0) icsts[i]; i++).
                 if(stali)>64 44 stali)<91)
                   str (i)=str (i]+32;
                   Printe ("xc", str(1));
                  Private ("xc", str(i));
               setum o;
      unite a program to reverse a string.
  ➂
         #include < stdio h)
          int main ()
             char (Str);
             inti, si
             Printf ("enter a string =");
             Jeta (str);
             Parli=0; i'estrii); i++)
             Printf ("Reverge string is =");
              For (1=0) 17=0/1--)
                 Printf (">c", Str (3));
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(7)
    write a program in c to count thetotal number of alphabets, digits and
     Special characters in a string.
          It include (stdio.h)
          int main()
              int i, c=0, d=0, R=0)
              char str (50);
              Printf ( "enter a string = ");
              gets (sto);
              for ( i=0 ; i<str(i) ; i++)
                 i'F(Str (i') >6424 str(i)<9111 str(i')>964 str(i') < 123)
                   C++;
                  else if (str(i)> 47 LL str(i) <50)
                    4++;
                  else
                    C++;
                Printf ("Hotal number of Alphabets = >d \n", c);
                Prints ("Total number of digital = "dln", d);
                trivet ("Total number of special character = +d", e);
                redusho!
                        in c to copy one storing to another string.
(8)
      write a program
      Hindude (Hdis.h)
       mt mainly
        intil
        charstor (10), d(80);
         Printf ("Enter a string=11);
         gets (str);
         For (1=0; icstr (i); i++)
            d(i)=542(i);
           Printf ("New Copy string is =");
           printf ("xg", d);
           return of
                          to sort a string away in ascending order.
(9)
     me, to a c be alson
        It include (Stdio. h)
         inf main ()
          int いかん
          char Str (50), a;
          Prints ("Enter a string = ");
          deta (str);
          for (1=0;1<str (1);1++)
            For (3= 1) 1 < 17, j++)
              forthe RCI
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for (k=0; k<i-j; k++)
                       if (otr (10) > str[K+1])
                        a= str(k);
                         str (K) = str (K+D;
                         242 (K+1) = a;
                  Prints ("After sorting string = 75", str);
                 seturno;
(10) write a program in c to find the frequency of characters.
        #timelude (stdio-h)
         int main()
           chor s(100);
           Printf ("Enter a string = ");
            Jets (s);
            int str (250) = (01)
            in+1=0;
            white (sci) (="10")
               str (s (i++)]++;
              printf ( " repeated character are = ");
              For (1=0; i < 256; 1'++)
                  if (str (i)! =0)
                   printf("x2c==> xd \n", i,s4x(i));
                returno)
```