T. Bharadwaj Podly 1921 10189 c programming

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-Assignment-1
program to alculate the factorial of the guion
 number.
     # includeradio.h>
      int main ()
       inti, fact=1, n;
       Prints ("Intex o number to fund factorial:").
       sanf ("xd", 8n);
      -600 (i=1; ikn; i++)
       fact = fact + i;
      print f ("Factorial of 1,d is: 1,d", n, fact);
      return o;
write a cprogram to find longth of the string
and calculate the no of vowels in it.
    #include <stdio.h>
    #include < ctype h>
     int main ()
     i Intializing voviable.
      char strad;
      inti, voulels = 0;
     1 Accepting input:
     prints ("Entex tre string:")
     11 best way to read string rather than gets/feets
     sconf ("1. ("/nJs", 8sty);
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         · good not pricipatine 11
        (++1, (LDV3 (0=1)80
         11 Country the vowels.
         F(statut = = 1a | 1 struit = = 1e | 11 struit = = 1i | 1
           StyCiJ == 101 11 Sty CiJ == 101 11 StyCiJ == 14/11
           stYGJ==1E11stV=£J ==12111.stYGJ==1011
        (1U1 = = [1)Yd2
         printing the count of vowels.
         prints ( motal number of vowels: = vell n! vowel
         return 0.
             chadran for student pataball
3.
    structure
         #include/stdio.1>
          struct student
                                      Shopped States
          that fixtulamerso];
          int roll
          float mark 8;
         int main ()
  print F (" Finter intormation of students: 10
        11 Storing information . Post 11-17-17-11
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BAY to/(i=0; i<5; ++1) SCIJ. Yoll = i+1; printef c'Intor roll number voll n' scit. roll). printf("Entex grat name:") scanfairs", scit. first tome); printf("Enter marks: "). scanf ("r.f", 85 GJ. morks). bung information:/v/u,) udsplaying intermation. for (i=0; i<5; ++i) 20)+i/200 printer ("In foll number: x.d/n", it); printf("fixet rune:") puts (SCI) first Home) 101 Jana) = 1) 20 printf (" marks: X.IF, SCI . marks) printf("In") return 0; an element in the given Search using linear search. Shorth Short #include<stdio.h> () Amy 11 at includex conio (>) inkmain () intacioJ, 1=0, ele=0, flog=1; 11 changed flag value to I'm and volume the bring (n eupox anail olements: ") 20x(1=0; i<10; i++)

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L'scanf (11 x.011), sacis);
 printf ("ontex - ise element to starch:")
  scanf ("1d", 8de);
for(i=0; i< 10; i++)
    TFACT==ele)
     flag=0;
      PAQK;
                       - (whomre) " / L'/
  "changed Godition to flag==0
print ("element found");
   d80
    print (" element not found").
    votur 0.
To write Got for 2d matrix using multidimensional
allay-
    #include<stdio.b>
     intendin ()
      int matrix CODCOD;
      inti,i, Youls, 618;
      printf ("Entex - the number of rough and columns
            of the matrix: 11)
                              HH (112/ 10-1)20
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sanf ("v.dx.d", 840W8, & Col8);
printf ("Enter the elements of the matrix: /n");
fox (1=0; 1<100)8, 1++)
€ fox (j=0; j< col8; j++)
 scanf (" x. d", 8 mablix ciJCjJ);
 printf ("The diagonal elements of the matrix are; \n")
 for (i=0', i<row) 8', i++)
 & (j=0) K (d8; j++)
 e if (1==j)
    printf (n.v.d", mataix a] G];
  ropur 0;
```