```
Practice - 1
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IBMIACSOE!

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i) Priogram to find total marks of 5 Subj. for
    M. Students.
#include (Staion)
  Struct Student ?
        char name [20];
         int marks [10], total;
   ] std [100];
    int main ()
       jut i, j, n;
        print ("Enter total number of Students : lu");
        Scauf (" y.d", kn);
        for ( i = 10; i <= n; i++) }
              Std [i]. total = 0;
              print (" Enter Name of Student: 10");
              scarf (" %, s", & std[i]. name);
              for (j=1;j<=5;j++){
                     printf ("Enter the morks scored
                      Scouf (" 1.d", std[i]. marks[j]);
                      Statij. total + = statij. marks[j];
               3
         printf (" In It It MARKSHEET : In");
         printf (" In NAME It It SUBI It It SUB2 It It SUB3
                     It It SUBY It It SUB5 IT IE JOTAL It'IN)
          for ( i = 1; i <= 15; i++)
              Printf (" In 1.8 1+1+ 1.2 1+1+ 1.2 1+1+ 1.2 1+ 1+1.2
                         It It V.d It It V.d In " & std[i]. names std[i]. manks[i], std[i]. manks[i], std[i]
```

Std[i]. manks[s], std[i]. monks[u], std[i]. manks[s], std[i]. to tal

3 return 0;

2

2) Prepare Salary Bill of an employee # include < stdio. n> Struct employee à Chan name [50]; float basic, da, hora, ma, gross, pf, net; [[00] dms [Void main () int i, m; prints ("Enter name of employee: \"); Scauf (" Y.d", Lul; for (i=0; i<m; i++) Printf ("Wenter the Basic Salary: \n"); Scouf (" Y.f", & emp[i]. basic); print ["InEnt en the Dearness Allowance & age: " Scarf (" Y.f", & emp [i].da); printf ("InEnter the H.R.A percentage: In"); Scauf (" & %f", & emp [i]. hra); printf ("InEnter the MA : \n"); Scouf (" Y.f", & emp [i]. ma); print ("lienter BOA P.F Percentage : In"); scouf (" y.f", & emp [i]. Pfl; emp [i]. gross = (emp[i]. basic + (emp[i]. basic * emp[i].da + (emp[i].basic * emp[i].hxa) + emp [i]. ma); emp[i]. pf = emp[i]. basic * emp[i]. pfy

3

```
emp [i]. net = emp [i]. gross - emp [i]. pf;
fox ( i= 0; i< n; i++)
     Print (" \u = = = = = SALARY SLIP = = = = = = \u");
     Printf ("InBasic: 1..2f", emp[i]. basic);
     print ("In DA: 1..2f", emp [i]. basic *
                               emp[i]. da /100);
     privat (" In HRA: "10.2f", emp [i]. basic*
                                 emp[i]. Naalioo)
     printf ("In MA: 1..2f", emp [i]. ma);
     print (" In GROSS: 7.024", emp [i]. grass);
     print f (" In PF: "/ . 2F", emp [i]. Pf);
     print f ("In NET: 1..2f", emp [i]. net);
```

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18W16 (2001
                  Practice-1
                                             HE MANG
3) Program to perform bouring operation
# include < stolio. h>
   int miain()
        int i, m, opt, acro;
       float dep, wit, out;
       Char mane, ch, huave;
        print ("Enter Name of Bank: In");
        scarf (" Y.s", & name);
        printf ("In Details for Account: \u");
        printf ("In Enter the Account Number: ");
        print f (" In Enter the Account holder Name: ");
        printf (" In Enter the Amount in Account: ");
        Scorf (" Y. & s", Ihnane);
        Scouf (" 7, f", & out );
            print ("In what's on your mind: In");
            printf (" OPTIONS: ININ 1- Deposition
                      In 2 - withdrawl (u/n");
            Scarf (" Y.d", lopt 1;
            switch (opt)
                    printf (" In Enter Amount to be
                            Deposited : ");
                    scouf (" ",f", Ideb);
                     aut + = dep;
                    print (" / " Amount after Deposition
```

Case 2: printf (" In Enter Amount to be withdie -awu! "); 8 couf (" Y.f ", & wit); and -= deepwit, print (" In Amount ofter on withdrawl: "If", aut); break; default print (" I / In Invalid Input / Try Again! In"): break; print ("In Do you want to repeat the operation Y (N: In "); Scarf (" Y.c", 2ch); while (ch == 'y' 11 ch = = 'Y'); return 0',

1BM19C5061 Practice - 1 HEMANG 4) Program to accept Nam, Regno, mark, marks, mank 3 of Students, and display the details: # include < stdio. h) # include < string. W> Struct student ? char name [20]; int mand regno, rouk; float twanks, total; 8 Std [100]; int main()} struct Student temp, t; int i, j, m, 81, 82,83; printf ("In Enter the no. of students: "); Scarf (" y.d", & w); for (i=0; i< n; i++) party printf(" | u| + 1 + 8 tudent Y. d", i+1); printf (" In Enter the Name : "); Scarf (" Y.s", & std [i]. name); print ("letuter the registration Number;"); Scarref (" Y.d", & Statil. reguo); printf ("Enter morks in Sub. #1: "); Scarf (" 7.d", & 51); Printf ("Enter morres in Sub 2:"); Scouf (" Y.d", LSL); Print ("7, 2", 253) printf ("Enter mones in sub 3: "); 8com) (" y. d", &S3);

```
Std [i]. total = S, +S2 + S3;
 std [i]. t mans = 8, +82 +83;
2
  for (i=0; i<u; i++)
     for (j=i+1', j < n; j++)
        if (Std[i]. tmanks < Std[j]. tmanks
               t = 84d[i];
              Statil = Statil;
             sidej] = t;
 for ( i = 0; i < u; i++)
     8td[i]. rank = i+1;
 fouli=0; i < n; i++)
    for (j=1+1;j<~;j++)
      E if (8tramp (StdEi]. name, stdEj]. name
                          statij.name)> 0)
         3
              temp = Std [i];
              std[i] = std[i];
              Std [j] = temp;
```

B

1 BMIdc20e1 Practice - 1 HEMANG to insert an element at a relevant position in an array using func. #include < Stdio. w> int ins (int pos, inte, int u, int aros[]) { ins (int pos, inte, int n, (nt about 1)?

int j;

for (j=m-1; j>= pos; j--)

2 arr [j+1] = arr [j];

arr [pos] = e;

main()

int arr [100], m, pos, e, i;

printf ("Enter the length of Array: m");

sconf ("Y.d", 2n); main () jut scout (" Y.d", &w); for (i = 0; i< n; i+1) { print (" In Am [7.d]: ", i); scouf (" y.d", & onfi]); & print (" In Enter the position at which element is to be entered: Scarf (" Y.d", & pos); printf (" In Enter the element to be entard: "); Scarf (" Y.d ", Le); ins (pos, e, n, orn); for (i=0;i<u; i++) + returo; q point (a) + Ara [Y. d]: Y. d In", i, Kijara

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18M19 (5061
                     Practice -1
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6) Program to find the alphanumeric charact-
and their count in a line of text.
# include < Stolio u>
   int main()
      chan String [100];
       int count = 0'1
        printf ("Enter a string: In");
        fgets (string, 100, stdin);
        print ("In Alphanumeric Characters ian
                   string on: \u');
        for (int i=0; i < strien (string); i++)
            if (isalnum (string [i])
                  frint (" " oc", string [i]);
        print ("In In Jotal Number of Alphanumeric
characters: % d/u'/ cond
        Teturn 0;
```