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J.Dayan, 2005839, B-14
           Lab 2
WAP to input yarre, roll and yarks in 5 unigets of student and
                                     diplayit.
# include < ios.tocam >
using namespace std;
istoucit istudent
    char first game (50);
    int roll;
    int marks [5];
int main ()
  Cout << " Enter the injurgation of student: " << endl;
  Cont << " Enter goll: " << endl;
 Cout << " Enter first name: "<< ends;
 cin >> 5, goll;
  Cin>> 5. furtyame;
 Cout << "Enter mans: " << endl;
  per (int j = 0; j < 5; j++)
      Cin>> 5. Marks [j];
 Cout « " Roll number: " << 5. goll « end!;
 Cout << " justgame: " << 5- justgame « end);
 for ( int j = 0; j < 5; j++) &
       Cout << " marks of istudent in sub "<< j+1 « " is" «
                                                     5 marks (j) <<
   return 0;
```

Output:

Enter information of student:

Enter roll:

839

Enter first name:

Dayan

Enter Marks:

90 99 98 97 96

Roll number: 839

First june: Dayar

Marks of student in Sub 1 is 90

Mark of student in sub 2 is 99

Marks of estudent in sub3 is 98

Mark of istudent in Sub 4 is 97

Marks of student in who 5 is 96

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QZ WAP to input name; golf number and marks in 5 subjects
   for y number of students. Write functions to
 as find total yours and percentage of all of students
 b) Display details of a students with a given your number
Display the details for all the istudents having feelentage
  in a given range
d> Sort the array in ascending order of Marks
Cirle -
  #include (instram)
   dising namespace Stal;
          Char first name [50];
           Int marks [5];
    igt total ( Struct student ( int n)
       int mark = 0;
      for (int i= 0; 1 < 5; it+)
      bretun mark;
    flont percentage ( start Student n)
         for (int i= 0; i < 5; i+t)
            1 Mark = Mark + n. Marks [i];
          per = Mark/5.0;
           return per,
   Void printdetails ( struct student p)
     Court ce" gold? " << p. swell << ends;
      link EC" Name " << p. girst name << endl;
```

```
Cout << " Marks: " << endl;
  for (int y=0; y < 5; y++)
       Cout << p. Mark [y] << ".";
    Cout « end;
    but << " Total yorks: " << p. total << endl;
    lout << " Percentage: " << p. per << endl;
void Sorting (Struct Student ()
          int temp;
         for (int g = 0; g < 5; g + t)
             for (int th = g +1; h < 5; h++)
              if ( e. marks [g]) {
            temp = C. Marks [9];
            c. Marks Eq] = c. Marks [h];
           C. Marks [h] = temp;
       for (int K=0; K<5; K++1[
          lout << (. Mark [K] << "
           Cout << end;
int youn ()
 { int n;
   Cout << " Enter no of students " << ends;
   un >> n;
    Student s [n];
    for (int i= o; icn; itt) {
        Cout << " Enter name: " << endli
        On >> S[1]. name;
       Coul << " Eyter will; " << erdl;
        Cin>> Still you;
```

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por (intj=0; ) <5; j++) (
 Cont « "Eyte yorks " « ()+1 « end)
  Un >> s[i] Maile[j];
S[i]. total = total yarks (S[i]);
SLIJ. per = percentage (S[i]);
Cont coul,
for (int m=0; m<n; m++) {
    Cout « " Details of student " << m+1 ccerdl;
    Print details (s[m])
   ant << endl;
 int j; (but « "Enter rull of istudent to view details " << endl;
      un >>ji
    Cout << chell;
 for (int i=0; i(n; i++)()
         is (S[i] · yoll == j){ 13000000
             frint details (SCi);
            break; }
int on, e,
  Circt << endl;
  Court cc " Enter starting large of percentage: " << ends)
  un >> 1;
 but << " Enter last warge of percentage: " << end)
 un >>e;
 weit exend;
  for (int K=0; K(n; K++) {
            1 ( S[K]. per >= r &0 S[K]. per <= e) [
           printdetails (SEKI)
           Cout exertly 3
 and <<" gerted yours are: " << end)
 for (int w=0; w <n; w++) {
       unt << " forted marks of " << SCW] - name << "; " (cerulls
    forting (S[W]);
```

```
} output
 Enter no y istudents:
 Enter name:
 Dayan
 Enter soll.
  Enter Marks 1
 Enter marks 2
  80
  Exper marks 3
  Enter yours 4
 Enter yours 5
 100
Details of istudent 1
 Roll: 33
 Name Dayun
 Marks.
 90 80 85 95 100
 Total marks: 450
 Perentage: 90.0
 Enter violed the students its view details. 33
 Roll: 33
 Name: Dayan
 Mark - 90 80 85 95 100
 Jula Mark = 450
 Perentag 900
 Enth structing wange of percentage: 90
Enter last range of perientage: 100
Sorted years are:
 80 85 90 95 100
```

```
Q3. WAP to enter id, name, age and basic pay salvey of n
  number of employees. Calculate the gruss salary of all the
  employees and display it along with all offer details by a tabular
  form, using pointer to istructure.
     [ Gross salary = Basic Isalary + DA + HRA]
       DA = 80% of Basic of Salary
       HRA = 10% of Basic salary
  # include < iostscan>
   lising namespace std;
   Istruit employee
    ? int id;
      Char name [100];
      int age;
       int Dasic Sal;
       The gloat groval;
  Void display ( struct employee *s, int n)
   for (inti=0; ixn; i++)
           Cout << "emp" << i+1<< " id is " << s -> id << endl;
          Cout << " emp " << i+1 << " game is " << s > game << endl)
          Cout << " emp" << i+1 << " age is" << 5 >> age << endly
         Cout ((" emp" << 1+1 << " salary is" << 5 - basics al ( end)
  int main()
   1 int n;
    Cout << " enter yo. of employees" << end!)
     On >> n;
     employee comp[h];
      for (inti=o;i(h;i++)
          Count << " cyter ery id: ";
          an >> emplished;
          Cout << " enter emp name: ";
          Un >> emp [i]. June;
```

```
Cout << " Cyta Imp age: ";
    Un >> emp[i].age;
    ant « " enter emp salary")
    an >> empli) busicant;
  display (emp, n);
   for (inti=o; i < n; i+t)
       emplis. grossal = (emplis. basicsal) + (emplis. basicsal * 0.8)
                                       + (emp [i] basic sal * 0.1);
   Cout << " employee " << i+1 << " grossalary is " << empli) grussal<<
   return 0;
      enter no of employees
output
      enter empid: 123
      enter emp name: Dayan
      enter empage: 19
      enter emp as salary: 23456
      enter empid: 132
      enter emp name: Rahul
      enter emp age: 20
      enter emp salary: 23456
     employee 1 grossalary is 44566.4
     employee 2 grossalary is 44566-4
```