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2105987
01.
#include<stdio.h>
struct Student{
   char name[30];
    int rollNumber;
    int marks[5];
    int totalMarks;
    float percentage;
};
void displayDetailsStudent(struct Student students[],int numberStudents,int rollNumber){
    int i,m;
    for(i=0;i<numberStudents;i++){</pre>
         if(rollNumber==students[i].rollNumber){
            printf("The student's name: %s\n",students[i].name);
             printf("The student's roll number: %d\n",students[i].rollNumber);
             printf("The student's marks\n");
             for(m=0;m<5;m++){</pre>
                 printf("%d ",students[i].marks[m]);
             printf("\nThe student's total marks: %d\n",students[i].totalMarks);
             printf("The student's percentage: %.2f\n",students[i].percentage);
void main()
    struct Student students[100];
    int n,i,m,r;
    int rollNumber;
    float percentage1;
    float percentage2;
    printf("Enter the student's name: ");
    scanf("%d",&n);
printf("Enter the student's roll number: ");
scanf("%d",&r);
    for(i=0;i<5;i++){</pre>
         fflush(stdin);
         scanf("%d",&students[i].rollNumber);
         for(m=0;m<5;m++){</pre>
            printf("Enter the student's mark %d: ",(m+1));
scanf("%d",&students[i].marks[m]);
         printf("\n");
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struct Student{
   char name[30];
   int rollNumber;
   int marks[5];
   int totalMarks;
   float percentage;
void findTotalMarksPercentageStudents(struct Student students[],int numberStudents){
   int i,m;
    for(i=0;i<numberStudents;i++){</pre>
        students[i].totalMarks=0;
        students[i].percentage=0.0;
        for(m=0;m<5;m++){</pre>
           students[i].totalMarks+=students[i].marks[m];
            students[i].percentage+=students[i].marks[m]*0.2;
void displayDetailsStudent(struct Student students[],int numberStudents,int rollNumber){
   int i,m;
    for(i=0;i<numberStudents;i++){</pre>
        if(rollNumber==students[i].rollNumber){
           printf("The student's name: %s\n",students[i].name);
            printf("The student's roll number: %d\n", students[i].rollNumber);
           printf("The student's marks\n");
            for(m=0;m<5;m++){</pre>
               printf("%d ",students[i].marks[m]);
            printf("\nThe student's total marks: %d\n",students[i].totalMarks);
           printf("The student's percentage: %.2f\n",students[i].percentage);
            printf("\n");
void displayDetailsSudentsPercentageRange(struct Student students[],int numberStudents,float
percentage1,float percentage2 ){
   int i,m;
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for(i=0;i<numberStudents;i++){
       if(students[i].percentage>=percentage1 && students[i].percentage<=percentage2){</pre>
           printf("The student's name: %s\n",students[i].name);
           printf("The student's roll number: %d\n",students[i].rollNumber);
           printf("The student's marks\n");
           for(m=0;m<5;m++){</pre>
               printf("%d ",students[i].marks[m]);
           printf("\nThe student's total marks: %d\n",students[i].totalMarks);
           printf("The student's percentage: %.2f\n",students[i].percentage);
           printf("\n");
void sortArrayInAscendingOrderMark(struct Student students[],int numberStudents){
   int i,j,m;
   for (i = 0; i < numberStudents - 1; i++){</pre>
       for (j = 0; j < numberStudents - i - 1; j++){}
           if (students[j].totalMarks > students[j + 1].totalMarks)
                    struct Student temp = students[j];
                students[j] = students[j + 1];
                students[j + 1] = temp;
   for(i=0;i<numberStudents;i++){</pre>
       printf("The student's name: %s\n",students[i].name);
       printf("The student's roll number: %d\n",students[i].rollNumber);
       printf("The student's marks\n");
       for(m=0;m<5;m++){</pre>
           printf("%d ",students[i].marks[m]);
       printf("\nThe student's total marks: %d\n",students[i].totalMarks);
       printf("The student's percentage: %.2f\n",students[i].percentage);
       printf("\n");
void main()
   struct Student students[100];
   int numberStudents,i,m;
   int rollNumber;
   float percentage1;
   float percentage2;
   printf("Enter the number of students: ");
scanf("%d",&numberStudents);
   for(i=0;i<numberStudents;i++){</pre>
       printf("Enter the student's name: ");
       gets(students[i].name);
       scanf("%d",&students[i].rollNumber);
       for(m=0;m<5;m++){</pre>
           printf("Enter the student's mark %d: ",(m+1));
           scanf("%d",&students[i].marks[m]);
       printf("\n");
   find Total Marks Percentage Students (students, number Students);\\
   printf("Enter the student's roll number to search: ");
   scanf("%d",&rollNumber);
   displayDetailsStudent(students,numberStudents,rollNumber);
   printf("Enter the student's percentage 1 to search: ");
   scanf("%f",&percentage1);
   printf("Enter the student's percentage 2 to search: ");
   scanf("%f",&percentage2);
   {\tt displayDetailsSudentsPercentageRange(students,numberStudents,percentage1);}
   printf("\nSort the array in ascending order of marks.\n");
   sortArrayInAscendingOrderMark(students,numberStudents);
   printf("\n");
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... C July18Q1.c C July18Q2.c X C July18Q3.c •
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<u>C</u>

∨ OPEN EDITORS 1 UNSAVED C July18Q2.c > 分 main()

                  C July18Q1.c

× C July18Q2.c
                                                                                       char name[30];
int rollNumber;
int marks[5];
int totalMarks;
                  • C July18Q3.c
             ∨ oops
              > .vscode
≣ July18.exe
                                                                                                                                                                                                                                                                                                                             > Code + ∨ □ 葡 ^ ×
                                                                  Enter the student's roll number: 21
Enter the student's mark 1: 22
Enter the student's mark 2: 33
Enter the student's mark 3: 4
Enter the student's mark 4: 55
Enter the student's mark 5: 66
                 Enter the student's name: amma
Enter the student's roll number: 33
Enter the student's mark 1: 64
Enter the student's mark 2: 764
Enter the student's mark 3: 4
Enter the student's mark 4: 54
Enter the student's mark 5: 66
                                                                   Enter the student's roll number to search: 33
The student's name: amna
The student's roll number: 33
The student's marks
64 764 4 54 66
The student's total marks: 952
The student's percentage: 190.40
                                                                   Enter the student's percentage 1 to search:
> OUTLINE
> TIMELINE
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struct employee
   int id;
   char name[10];
   int age;
   int basic:
}emp[100];
void result(struct employee * emp,int a);
int main()
   int num;
   printf("How many employees: ");
scanf("%d",&num);
       printf("Enter id name age and basic salary of employee %d : ",i+1);
        scanf("%d %s %d %d",&emp[i].id,&emp[i].name,&emp[i].age,&emp[i].basic);
   result(emp,num);
void result(struct employee* emp,int a){
   float da,hra,total;
       da=0.8*emp[i].basic;
       hra=0.1*emp[i].basic;
       total=emp[i].basic+da+hra;
       printf(" Id: %d Name: %s Age: %d Basic Salary:%d Gross Salary:
%f\n\n",emp[i].id,emp[i].name,emp[i].age,emp[i].basic,total);
```

