1)

#include<stdio.h>

struct Employee

{

int id;

char name[20];

float salary;

};

struct Employee input( )

{

struct Employee a1;

printf("enter employee id employee name employee salary \n");

scanf("%d",&a1.id);

fflush(stdin);

fgets(a1.name,20,stdin);

scanf("%f",&a1.salary);

return a1;

}

void display(struct Employee a)

{

printf("Employee id is %d \nEmployee name is %s \nEmployee salary is %f",a.id,a.name,a.salary);

}

int main()

{

struct Employee a;

a=input();

display(a);

return 0;

}

2)

#include<stdio.h>

struct Employee

{

int id;

char name[20];

float salary;

};

struct Employee input( )

{

struct Employee a1;

printf("enter employee id employee name employee salary \n");

scanf("%d",&a1.id);

fflush(stdin);

fgets(a1.name,20,stdin);

scanf("%f",&a1.salary);

return a1;

}

void display(struct Employee a)

{

printf("Employee id is %d \nEmployee name is %s \nEmployee salary is %f",a.id,a.name,a.salary);

}

int main()

{

struct Employee a;

a=input();

display(a);

return 0;

}

3)

#include<stdio.h>

struct Employee

{

int id;

char name[20];

float salary;

};

struct Employee input( )

{

struct Employee a1;

printf("enter employee id employee name employee salary \n");

scanf("%d",&a1.id);

fflush(stdin);

fgets(a1.name,20,stdin);

scanf("%f",&a1.salary);

return a1;

}

void display(struct Employee a)

{

printf("Employee id is %d \nEmployee name is %s \nEmployee salary is %f",a.id,a.name,a.salary);

}

int main()

{

struct Employee a;

a=input();

display(a);

return 0;

}

4)

#include<stdio.h>

struct Employee

{

int id;

char name[20];

float salary;

};

float salary( )

{

int i;float max;

struct Employee a1[10];

printf("enter employee's salary\n");

for( i=0;i<10;i++)

{

scanf("%f",&a1[i].salary);

}

max=a1[0].salary;

for( i=0;i<10;i++)

{

if(max<=(a1[i].salary))

max=a1[i].salary;

}

return max;

}

int main()

{

float a;

a= salary();

printf("the maximum salary is %f",a);

return 0;

}

5)

#include<stdio.h>

#include<conio.h>

struct Employee

{

int id;

char name[20];

float salary;

};

void salary( int n )

{

int i,j;float max;

struct Employee a1[n];

struct Employee t;

printf("enter employee's id name and salary respectively\n");

for( i=0;i<n;i++)

{

scanf("%d",&a1[i].id);

fflush(stdin);

fgets(a1[i].name,20,stdin);

scanf("%f",&a1[i].salary);

printf("\n\n");

}

for( i=0;i<=n-2;i++)

{

for(j=i+1;j<=n-1;j++)

{

if((a1[i].salary)>(a1[j].salary))

{

t=a1[i];

a1[i]=a1[j];

a1[j]=t;

}

}

}

printf("the detail of the employees in sorted order of salary:-\n\n");

for(i=0;i<n;i++)

{

printf("employee id -%d\n",a1[i].id);

printf("employee name -%s",a1[i].name);

printf("employee salary -%f\n",a1[i].salary);

printf(" \n\n ");

}

}

int main()

{

int n;

printf("Number of the employees\n");

scanf("%d",&n);

salary(n);

return 0;

}

6)

#include<stdio.h>

#include<string.h>

struct Employee

{

int id;

char name[20];

float salary;

};

void salary( int n )

{

int i,j;float max;

struct Employee a1[n];

struct Employee t;

printf("enter employee's id name and salary respectively\n");

for( i=0;i<n;i++)

{

scanf("%d",&a1[i].id);

fflush(stdin);

fgets(a1[i].name,20,stdin);

scanf("%f",&a1[i].salary);

printf("\n\n");

}

for( i=0;i<=n-2;i++)

{

for(j=i+1;j<=n-1;j++)

{

if(strcmp(a1[i].name,a1[j].name)>0)

{

t=a1[i];

a1[i]=a1[j];

a1[j]=t;

}

}

}

printf("the detail of the employees in sorted order of name:-\n\n");

for(i=0;i<n;i++)

{

printf("employee id -%d\n",a1[i].id);

printf("employee name -%s",a1[i].name);

printf("employee salary -%f\n",a1[i].salary);

printf(" \n\n ");

}

}

int main()

{

int n;

printf("Number of the employees\n");

scanf("%d",&n);

salary(n);

return 0;

}

7)

#include<stdio.h>

#include<stdlib.h>

struct time

{

int strh,strm,endh,endm;

};

int main()

{

struct time a;

printf("enter the starting time \n 24hr format HH:MM - ");

scanf("%d:%d",&a.strh,&a.strm);

printf("enter the ending time \n 24hr format HH:MM - ");

scanf("%d:%d",&a.endh,&a.endm);

if(a.endm>=a.strm)

printf("The difference of time is %d hour and %d minute ",abs(a.strh-a.endh),abs(a.strm-a.endm));

else

printf("The difference of time is %d hour and %d minute ",abs(a.strh-a.endh)-1,60-abs(a.strm-a.endm));

return 0;

}

8)

#include<stdio.h>

struct student

{

int roll;

char name[20];

char state[20];

};

int main()

{

int i;

struct student a[10];

printf("enter the roll number , name and states of the students \n");

for( i=0; i<10; i++)

{

scanf("%d",&a[i].roll);

fflush(stdin);

fgets(a[i].name,20,stdin);

fflush(stdin);

fgets(a[i].state,20,stdin);

printf("\n\n");

}

printf("student's information are:-\n\n\n");

for( i=0; i<10; i++)

{

printf("name of the student:- %s",a[i].name);

printf("roll of the student:- %d\n",a[i].roll);

printf("state of the student:- %s\n",a[i].state);

printf("\n\n");

}

return 0;

}

9)

#include<stdio.h>

struct student

{

int roll;

char name[20];

char state[20];

};

int main()

{

int i,n;

printf("enter the no. of students \n");

scanf("%d",&n);

struct student a[n];

printf("enter the roll number , name and states of the students \n");

for( i=0; i<n; i++)

{

scanf("%d",&a[i].roll);

fflush(stdin);

fgets(a[i].name,20,stdin);

fflush(stdin);

fgets(a[i].state,20,stdin);

printf("\n\n");

}

printf("student's information are:-\n\n\n");

for( i=0; i<n; i++)

{

printf("name of the student:- %s",a[i].name);

printf("roll of the student:- %d\n",a[i].roll);

printf("state of the student:- %s\n",a[i].state);

printf("\n\n");

}

return 0;

}

10)

#include<stdio.h>

struct marks

{

int roll;

char name[20];

float chem,math,phy;

};

int main()

{

int i;

struct marks a[5];

for( i=0; i<5; i++)

{

printf("enter the roll number \n");

scanf("%d",&a[i].roll);

printf("enter the name of student \n");

fflush(stdin);

fgets(a[i].name,20,stdin);

printf("enter the chemistry marks out of 100 \n");

scanf("%f",&a[i].chem);

printf("enter the maths marks out of 100 \n");

scanf("%f",&a[i].math);

printf("enter the physics marks out of 100 \n");

scanf("%f",&a[i].phy);

printf("\n\n");

}

for( i=0; i<5; i++)

{

float p;

p=((a[i].math+a[i].chem+a[i].phy)/300)\*100;

printf("the percentage of %s is %f",a[i].name,p);

printf("\n\n");

}

return 0;

}