A picture containing text

Description automatically generated

1).

a).

#include<stdio.h>

struct detail

{

char person[20];

int age;

char address[20];

int place;

int date;

};

int main()

{

struct detail e;

printf("enter a person name :");

gets(e.person);

printf("enter a person age :");

scanf("%d",&e.age);

printf("enter a person address :");

scanf("%s",e.address);

printf("enter a person place :");

scanf("%d",&e.place);

printf("enter a person date :");

scanf("%d",&e.date);

printf("\nthe person name is :%s\n\n ",e.person);

printf("the person age is : %d\n\n ",e.age);

printf("\nthe person address is :%s\n\n ",e.address);

printf("\nthe person contact is :%d\n\n ",e.place);

printf("\nthe person date is :%d\n\n ",e.date);

return 0;

}

b).

#include<stdio.h>

struct employee

{

int id;

char name[20];

char address[20];

float contact;

int dateoj;

};

int main()

{

struct employee e;

printf("enter a employee id :");

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

printf("enter a person name :");

scanf("%s",e.name);

printf("enter a person address :");

scanf("%s",e.address);

printf("enter a person contact :");

scanf("%f",&e.contact);

printf("enter a person date :");

scanf("%d",&e.dateoj);

printf("\nthe id is :%d\n\n ",e.id);

printf("the name is : %s\n\n ",e.name);

printf("\nthe person address is :%s\n\n ",e.address);

printf("\nthe person contact is :%f\n\n ",e.contact);

printf("\nthe person date of job is :%d\n\n ",e.dateoj);

return 0;

}

c).

#include<stdio.h>

struct customer

{

int id;

char name[20];

char address[20];

float contact;

};

int main()

{

struct customer e;

printf("enter a employee id :");

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

printf("enter a person name :");

scanf("%s",e.name);

printf("enter a person address :");

scanf("%s",e.address);

printf("enter a person contact :");

scanf("%f",&e.contact);

printf("\nthe id is :%d\n\n ",e.id);

printf("the name is : %s\n\n ",e.name);

printf("\nthe person address is :%s\n\n ",e.address);

printf("\nthe person contact is :%f\n\n ",e.contact);

return 0;

}

d).

#include<stdio.h>

struct item

{

int code;

char name[20];

float price;

};

int main()

{

struct item e;

printf("enter a item code :");

scanf("%d",&e.code);

printf("enter a item name :");

scanf("%s",e.name);

printf("enter a item price :");

scanf("%f",&e.price);

printf("\nthe id is :%d\n\n ",e.code);

printf("the name is : %s\n\n ",e.name);

printf("\nthe person address is :%f\n\n ",e.price);

return 0;

}

e).

#include<stdio.h>

struct author

{

int id ;

char name[20];

float contact;

char email[50];

char gender[10];

};

int main()

{

struct author a;

printf("enter a author id :");

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

printf("enter a author name :");

scanf("%s",a.name);

printf("enter a author contact :");

scanf("%f",&a.contact);

printf("enter a author gmail :");

scanf("%s",a.email);

printf("enter a gender :");

scanf("%s",a.gender);

printf("\nthe author id is :%d\n\n ",a.id);

printf("the author name is : %s\n\n ",a.name);

printf("\nthe author address is :%f\n\n ",a.contact);

printf("the author email is : %s\n\n ",a.email);

printf("the author gender is : %s\n\n ",a.gender);

return 0;

}

f).

#include<stdio.h>

struct book

{

int ISBN ;

char name[20];

float contact;

char category[50];

int page ;

};

int main()

{

struct book a;

printf("enter a ISBN :");

scanf("%d",&a.ISBN);

printf("enter a author name :");

scanf("%s",a.name);

printf("enter a author contact :");

scanf("%f",&a.contact);

printf("enter a book catagory :");

scanf("%s",a.category);

printf("enter a book page :");

scanf("%d",&a.page );

printf("\nthe book ISBN is :%d\n\n ",a.ISBN);

printf("the book name is : %s\n\n ",a.name);

printf("\nthe contact number is :%f\n\n ",a.contact);

printf("the book category is : %s\n\n ",a.category);

printf("the book page is : %d\n\n ",a.page);

return 0;

}

g).

#include<stdio.h>

struct account

{

int id ;

char name[20];

float acno;

char category[3];

float balance ;

};

int main()

{

struct account a;

printf("enter a bank id :");

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

printf("enter a account name:");

scanf("%s",a.name);

printf("enter a account no :");

scanf("%f",&a.acno);

printf("enter a category :");

scanf("%s",a.category);

printf("enter a bank balance :");

scanf("%f",&a.balance);

printf("\nthe bank id is :%d\n\n ",a.id);

printf("the account name is : %s\n\n ",a.name);

printf("\nthe account number is :%f\n\n ",a.acno);

printf("the bank category is : %s\n\n ",a.category );

printf("the bank balance is : %f\n\n ",a.balance );

return 0;

}

h).

#include<stdio.h>

struct point

{

int x,y,c;

};

int main()

{

struct point a;

printf("enter a x ");

scanf("%d",&a.x);

printf("enter a y" );

scanf("%d",&a.y);

a.c=a.x+a.y;

printf("the sum is :%d\n",a.c);

printf("the value of x is :%d\n",a.x);

printf("the value of y is :%d\n",a.y);

return 0;

}

2).

#include<stdio.h>

struct comp

{

int i,r;

};

int main()

{

struct comp c1,c2,c3;

printf("enter a real number of 1st complex : ");

scanf("%d",&c1.r);

printf("enter a imaginary number of 1st complex : ");

scanf("%d",&c1.i);

printf("enter a real number of 2nd complexr : ");

scanf("%d",&c2.r);

printf("enter a imaginary number of 2nd complex : ");

scanf("%d",&c2.i);

c3.r=c1.r+c2.r;

c3.i=c1.i+c2.i;

printf("the final complex number is: %d + %di ",c3.r,c3.i);

return 0;

}

3).

#include<stdio.h>

struct date

{

int day,month,year;

};

int main()

{

struct date c1,c2,c3;

printf("enter first year month and day :");

scanf("%d %d %d",&c1.year,&c1.month,&c1.day);

printf("enter second year month and day :");

scanf("%d %d %d",&c2.year,&c2.month,&c2.day);

c3.year=c1.year+c2.year;

c3.month=c1.month +c2.month;

if(c3.month>12)

{

c3.year+=1;

c3.month-=12;

}

c3.day =c1.day +c2.day;

if(c3.day>30)

{

c3.month+=1;

c3.day-=30;

}

printf("the sum of two date is :%d-%d-%d",c3.year,c3.month,c3.day);

return 0;

}

4).

#include<stdio.h>

struct time

{

int hour,minute,second;

};

int main()

{

struct time c1,c2,c3;

printf("enter first hour minute and second :\n");

scanf("%d %d %d",&c1.hour,&c1.minute,&c1.second);

printf("enter second hour minute and second :\n");

scanf("%d %d %d",&c2.hour,&c2.minute,&c2.second);

c3.hour=c1.hour+c2.hour;

c3.minute=c1.minute +c2.minute;

if(c3.minute>60)

{

c3.hour+=1;

c3.minute-=60;

}

c3.second =c1.second +c2.second;

if(c3.second>60)

{

c3.minute+=1;

c3.second-=60;

}

printf("the sum of two date is - %d:%d:%d",c3.hour,c3.minute,c3.second);

return 0;

}

5).

#include<stdio.h>

struct distance

{

int feet,inch;

};

int main()

{

struct distance c1,c2,c3;

printf("enter first and feet inch :");

scanf("%d%d",&c1.feet,&c1.inch);

printf("enter second feet and inch :");

scanf("%d%d",&c2.feet,&c2.inch);

c3.feet=c1.feet+c2.feet;

c3.inch=c1.inch +c2.inch;

if(c3.inch>12)

c3.feet+=1;

c3.inch-=12;

printf("the sum of two distance is :%d%d",c3.feet,c3.inch);

return 0;

}