#include<stdio.h>

void test();

struct person

{

int height;

int weight;

}anu,binu={50,160};

int main()

{

struct person sunu={10,50},manu;

test();

}

void test ()

{

printf("\n details of anu\n");

printf("height=%d weight=%d,",anu.height,anu.weight);

printf("\n details of binu\n");

printf("height=%d weight=%d,",binu.height,binu.weight);

//printf("\n details of sunu\n");

}

Output=0

2)

Sunu and manu undeclared as it is not initialized

3)

#include<stdio.h>

void test();

struct person

{

int height;

int weight;

}anu,binu,sunu,manu;

int main()

{

struct person sunu={10,50},manu;

test();

}

void test ()

{

printf("\n details of anu\n");

printf("height=%d weight=%d,",anu.height,anu.weight);

printf("\n details of binu\n");

printf("height=%d weight=%d,",binu.height,binu.weight);

printf("\n details of sunu\n");

printf("height=%d weight=%d,",sunu.height,sunu.weight);

printf("\n details of manu\n");

printf("height=%d weight=%d,",manu.height,manu.weight);

printf("\n details of jinu\n");

printf("height=%d weight=%d,",jinu.height,jinu.weight);}

Output

we wont be able to initialize it as

int height =10; /int weight =20;🡪this will give us an error as we cannot initialize values in the template

d)

#include<stdio.h>

void test();

struct person

{

int height;

int weight;

}anu={20,100},binu={30,90},sunu,jinu={100},manu;

int main()

{

struct person sunu={10,50},manu;

test();

}

void test ()

{

anu=binu;

printf("\n details of anu\n");

printf("height=%d weight=%d,",anu.height,anu.weight);

printf("\n details of binu\n");

printf("height=%d weight=%d,",binu.height,binu.weight);

printf("\n details of sunu\n");

printf("height=%d weight=%d,",sunu.height,sunu.weight);

printf("\n details of manu\n");

printf("height=%d weight=%d,",manu.height,manu.weight);

printf("\n details of jinu\n");

printf("height=%d weight=%d,",jinu.height,jinu.weight);

}

4)

#include struct date

{

int day;

int month;

int year;

};

struct student {

char name[20];

int rollno;

float cgpa;

struct date dob;

};

void readdetails()

{

struct student stud[5];

int i;

for(i=0;i<=4;i++)

{

printf("Enter the Name : ");

scanf("%s",stud[i].name);

printf("Enter the Roll no : ");

scanf("%d",&stud[i].rollno);

printf("Enter the CGPA : ");

scanf("%f",&stud[i].cgpa);

printf("Enter the Day : ");

scanf("%d",&stud[i].dob.day);

printf("Enter the Month : ");

scanf("%d",&stud[i].dob.month);

printf("Enter the Year : ");

scanf("%d",&stud[i].dob.year);

}}

void display()

{

int i; for(i=0;i<=4;i++)

{ printf("Name : %s\n",stud[i].name);

printf("Roll no : %d\n",stud[i].rollno);

printf("CGPA : %f\n",stud[i].cgpa);

printf("Date of Birth : %d/%d/%d\n",stud[i].dob.day,stud[i].dob.month,stud[i].dob.year); } }

void main()

{

void readdetails();

void display();

readdetails();

display();

}

5)

#include<stdio.h>

void readdata();

void displaydata();

struct Student

{

int rollno;

char name[25];

float cgpa;

struct date

{

int day;

int month;

int year;

}dob;

};

struct Student s[5];

int main()

{

readdata();

displaydata();

}

void readdata()

{

int i;

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

{

printf("Enter values for person %d",i+1);

scanf("%s %d %f");

}

}

void displaydata()

{

int i;

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

{

printf("The values for person %d are %s, %d %f",i+1,s[i].name,s[i].rollno,s[i].cgpa);

}

}