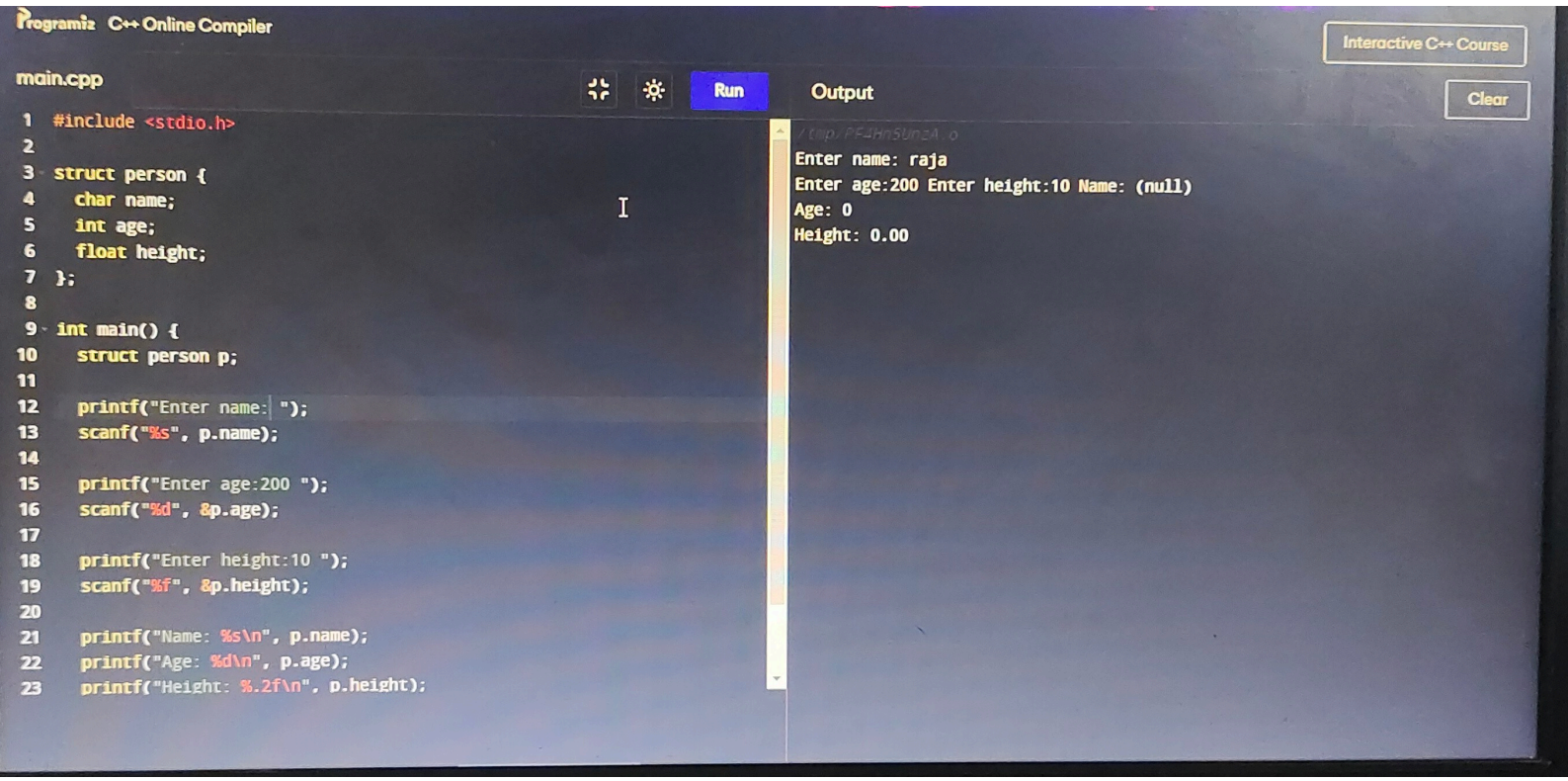
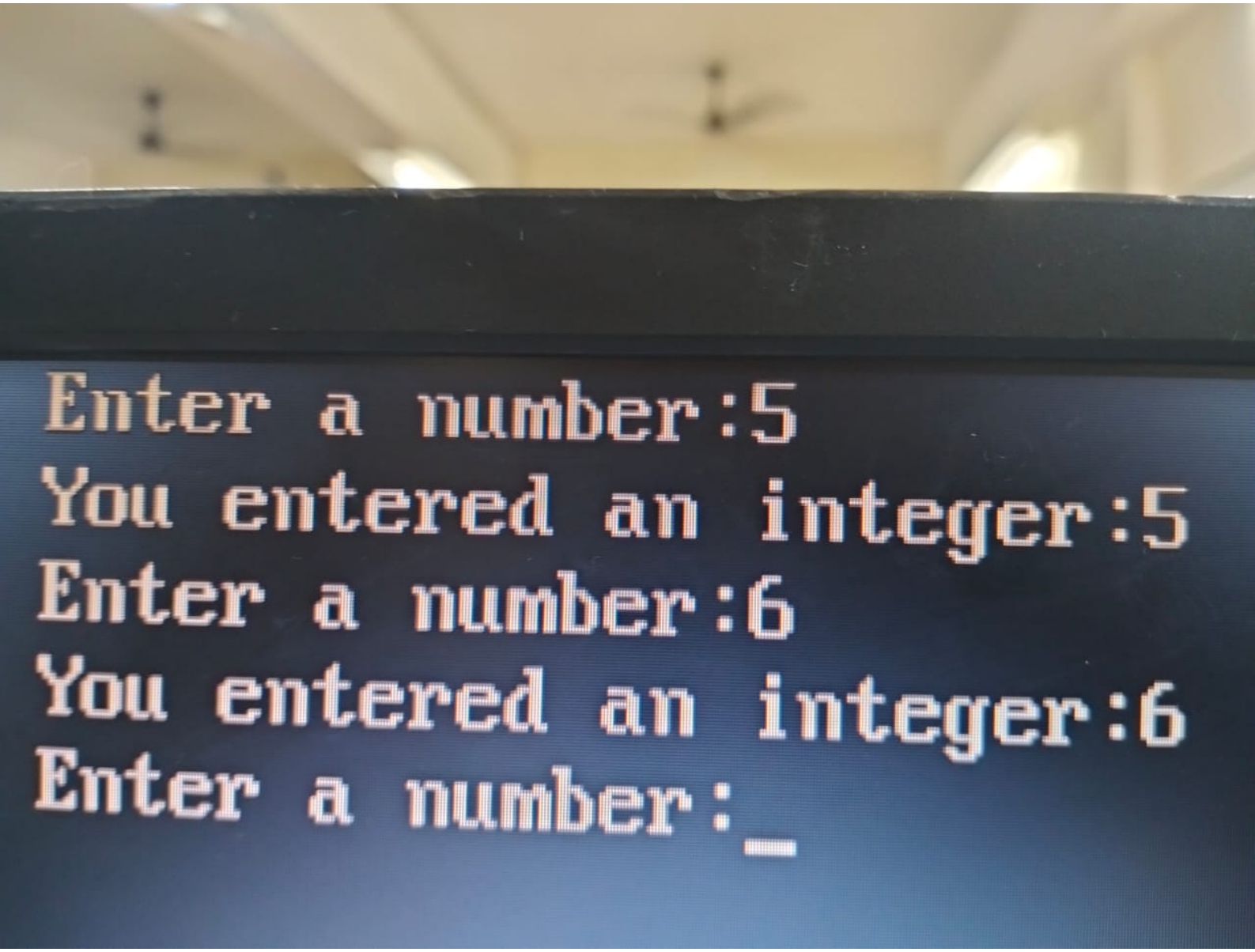
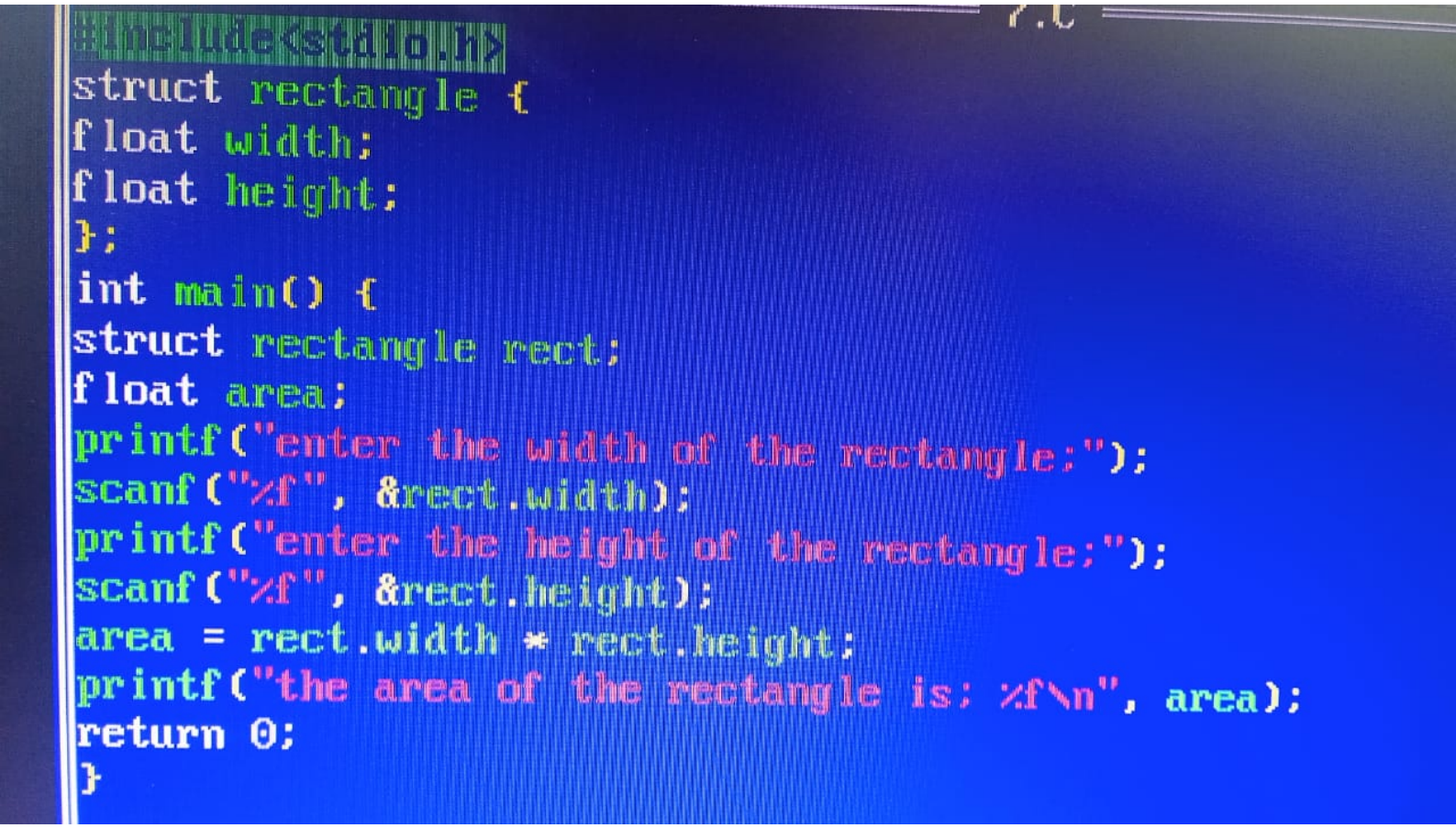
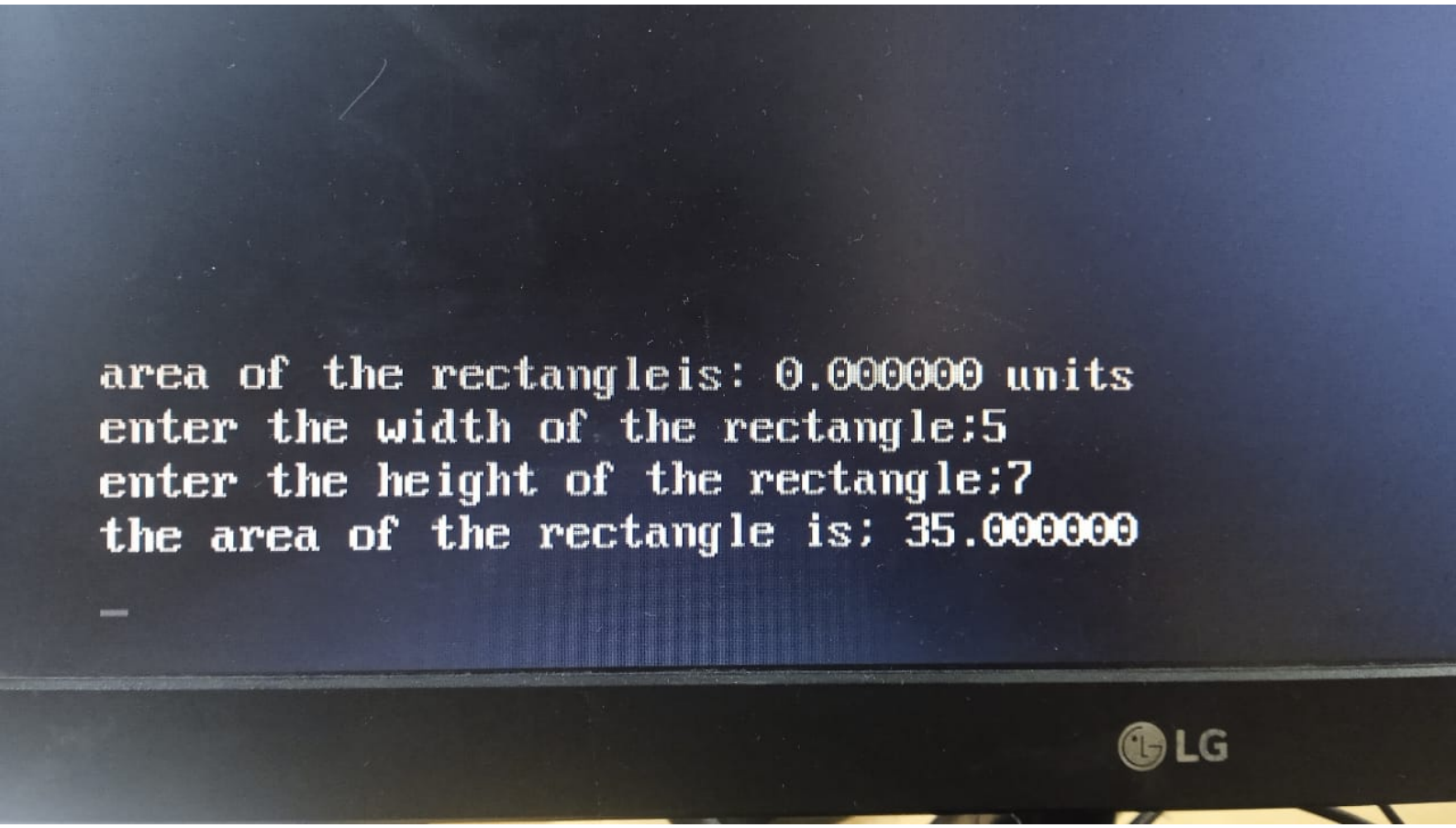
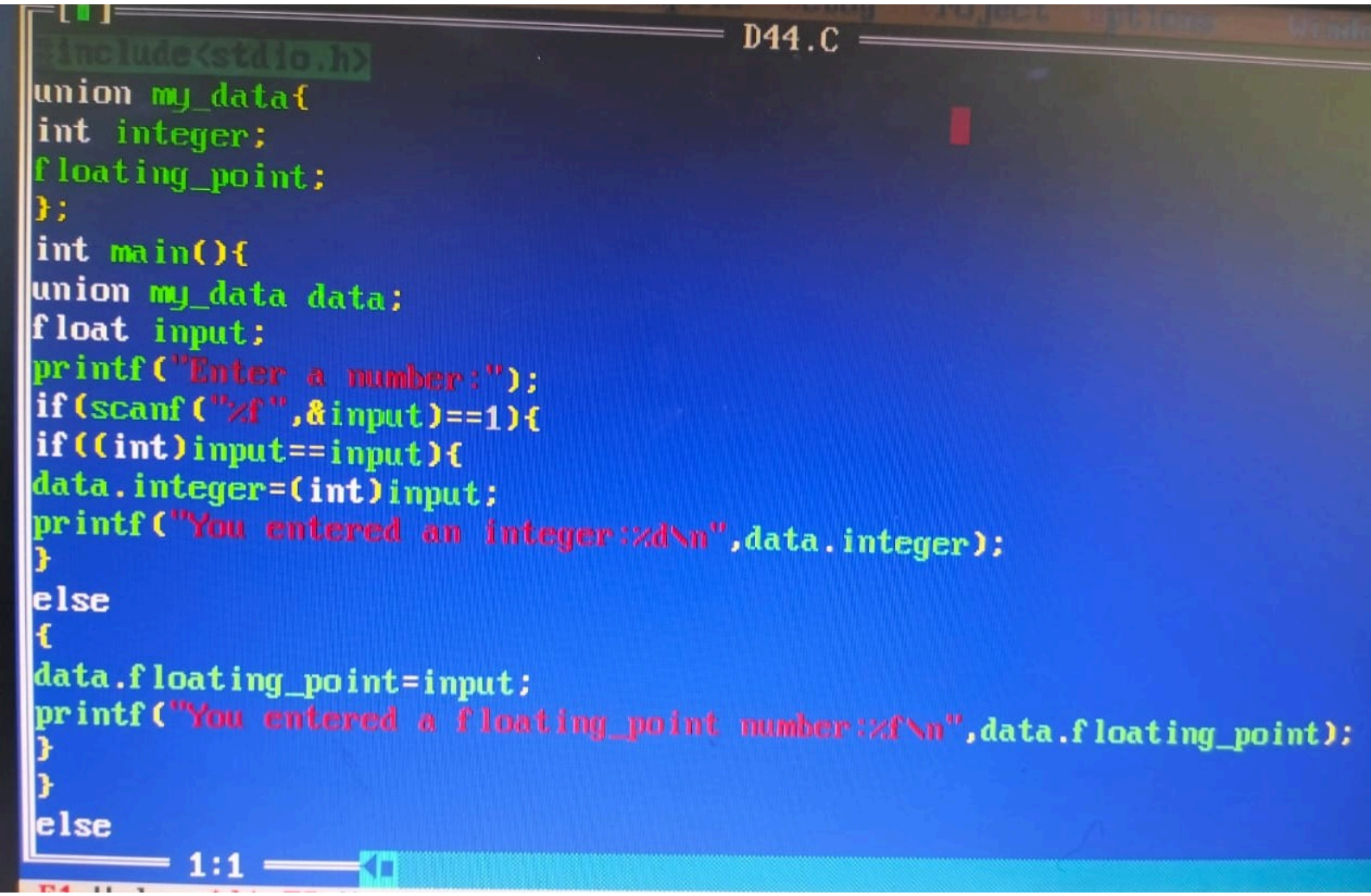

Programiz C++ Online Compiler
Interactive C++ Course
main.cpp
Run
Output
Clear
#include <stdio.h>
struct person {
char name;
int age;
float height;
};
int main() {
struct person p;
printf("Enter name: ");
scanf("%s", p.name);
printf("Enter age:200 ");
scanf("%d", &p.age);
printf("Enter height:10 ");
scanf("%f", &p.height);
printf("Name: %s\n", p.name);
printf("Age: %d\n", p.age);
printf("Height: %.2f\n", p.height);
Enter name: raja
Enter age:200 Enter height:10 Name: (null)
Age: 0
Height: 0.00


Enter a number:5
You entered an integer:5
Enter a number:6
You entered an integer:6
Enter a number:_



```c
#include<stdio.h>
struct rectangle {
float width;
float height;
};
int main() {
struct rectangle rect;
float area;
printf("enter the width of the rectangle:");
scanf("%f", &rect.width);
printf("enter the height of the rectangle:");
scanf("%f", &rect.height);
area = rect.width * rect.height;
printf("the area of the rectangle is: %f\n", area);
return 0;
}
```


area of the rectangleis: 0.000000 units
enter the width of the rectangle;5
enter the height of the rectangle;7
the area of the rectangle is; 35.000000
LG


D44.C
#include<stdio.h>
union my_data{
int integer;
floating_point;
};
int main(){
union my_data data;
float input;
printf("Enter a number:");
if(scanf("%f",&input)==1){
if((int)input==input){
data.integer=(int)input;
printf("You entered an integer:%d\n",data.integer);
}
else
{
data.floating_point=input;
printf("You entered a floating_point number:%f\n",data.floating_point);
}
}
else
1:1

```c
#include <stdio.h>
union my_union
{
int integer;
float floating_point;
};
int main()
{
union my_union u;
u.integer = 42;
u.floating_point = 3.14;
printf("Value of integer field: %d\n", u.integer);
printf("Value of floating_point field: %f\n", u.floating_point);
return 0;
}

```

```
Value of integer field: 1078523331
Value of floating_point field: 3.140000
```

```c
#include <stdio.h>
union my_union
{
int integer;
float floating_point;
};
int main()
{
union my_union u;
u.integer = 42;
u.floating_point = 3.14;
printf("Value of integer field: %d\n", u.integer);
printf("Value of floating_point field: %f\n", u.floating_point);
return 0;
}

```

```
Value of integer field: 1078523331
Value of floating_point field: 3.140000
```