

idoe.txt Wed Apr 13 20:02:31 2016 1

Student's Full Name : Irving J. Doe
User Name : idoe
Step Used to compile & link : gcc -o house.out /home/collard/UniversityOfC/CSI/idoe/house.c

Errors or Warnings - Post Compile & link:

/home/collard/UniversityOfC/CSI/idoe/house.c: In function â\200\230mainâ\200\231:
/home/collard/UniversityOfC/CSI/idoe/house.c:13:3: warning: implicit declaration of function â\200\230printfâ\200\231 [-Wimplicit-function-declaration]

```
    printf("Enter the width of the house (in feet):  ");
```

^

/home/collard/UniversityOfC/CSI/idoe/house.c:13:3: warning: incompatible implicit declaration of built-in function â\200\230printfâ\200\231

/home/collard/UniversityOfC/CSI/idoe/house.c:13:3: note: include â\200\230<stdio.h>â\200\231 or provide a declaration of â\200\230printfâ\200\231

/home/collard/UniversityOfC/CSI/idoe/house.c:15:3: warning: implicit declaration of function â\200\230scanfâ\200\231 [-Wimplicit-function-declaration]

```
    scanf("%lf", &width);
```

^

/home/collard/UniversityOfC/CSI/idoe/house.c:15:3: warning: incompatible implicit declaration of built-in function â\200\230scanfâ\200\231

/home/collard/UniversityOfC/CSI/idoe/house.c:15:3: note: include â\200\230<stdio.h>â\200\231 or provide a declaration of â\200\230scanfâ\200\231

Source Code :

/*

 house.c

Square footage of a house

John Doe

jdoe@uakron.edu

*/

int main() {

 // input the house width

```
  printf("Enter the width of the house (in feet):  ");
```

```
  double width;
```

```
  scanf("%lf", &width);
```

 // input the house depth

```
  printf("Enter the depth of the house (in feet):  ");
```

```
  double height;
```

```
  scanf("%lf", &height);
```

 // compute the area of the house

```
  double area = width * height;
```

 // output the area of the house

```
  printf("The house is %.0f square feet
```

```
", area);
```

```
  return 0;
```

```
}
```

Test Cases :

Enter the width of the **house** (in feet) : 97

Enter the depth of the **house** (in feet) : 24

The house is 2328 square feet

Enter the width of the **house** (in feet) : 6

Enter the depth of the **house** (in feet) : 14

The house is 84 square feet

Enter the width of the **house** (in feet) : 19

Enter the depth of the **house** (in feet) : 29

The house is 551 square feet