

Practical No. 17

Aim: Write and execute a program using structure within structure.

Theory:

Structure within structure is nothing but nested structure. One structure can be declared inside other structure as we declare structure members inside a structure.

Code:

```
#include <stdio.h>
```

```
int main() {
```

```
    struct details {
```

```
        int age = 17;
```

```
        float weight = 56;
```

```
        float height = 5.7;
```

```
    };
```

```
    struct doc {
```

```
        char name[20] = "Pratyay";
```

```
        struct details a;
```

```
    } doc1;
```

```
int main() {
```

```
    printf
```

```
    (" %d ", sizeof (doc1));
```

```
    printf (" \n");
```

```
    printf (" \n %s \n %d \n %f \n %.2f \n", doc1.name, doc1.a.age
```

```
        doc1.a.weight,
```

```
        doc1.a.height);
```




D:\coding\C\practicals\practicalSeventeen\17.1.exe

32

Pratyay

17

56.00

5.70

```
return 0;
```

```
}
```

Conclusion :

Hence, I wrote and executed a program using structure within structure.