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C_118 ⇒ Problem on Structures in C

Designated Initialization in structures

struct question

{

int a;

float b;

int c;

};

void main()

{

Designated Initialization.

↑

struct question q = { .b = 1, .c = 10, .a = 15 };

printf("%d %f %d", q.a, q.b, q.c);

}

O/p

15

1.000000

10

Note:-

* struct question q = { 1, 10, 15 };

↓ ↓ ↓
a b c

↳ This is simple initialization (follows order)

* struct question q = { .b = 1, .c = 10, .a = 15 };

↳ This is designated initialization.

```

1  #include <stdio.h>
2  #include <stdlib.h>
3  /** 24-Structure Designated Initialization **/
4  struct abc
5  {
6      int a;
7      char b;
8      float c;
9  };
10
11
12
13  int main()
14  {
15      struct abc s={.b='b', .c=98, .a=1};
16      printf("c=%0.2f b=%c a=%d", s.c, s.b, s.a);
17      getch();
18  }
19
20

```

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c=98.00 b=b a=1_