

slide 1150

st

char

int

};

slide 1150 o. 901

int main() {

size of var simple 11/10 8

struct example simple 1 .

struct card aCard1 = aCard2 // sums copy in

slide 2

int main

struct fraction {

int numerator;

int denominator; // in int de... = 1; // error

};

13 N.M. 63

ex 309

```
typedef struct {
```

```
    int width;
```

```
    int length;
```

```
    int height;
```

```
} Box;
```

```
typedef struct {
```

```
    int radius;
```

```
} Circle;
```

```
int main() {
```

```
    Box mybox;
```

```
    Circle c;
```

```
    mybox.w = 10;
```

```
    mybox.l = 30;
```

```
    mybox.h = 10;
```

```
    c.radius = 10;
```

```
    printf("Box (%d, %d, %d)\n", mybox.w,
```

```
          mybox.l, mybox.h)
```

```
    printf("Circle (%d)\n", c.radius)
```

```
⇒ Box ( 10, 30, 10 )
```

```
⇒ Circle (10)
```

ex

slide 2

int main

```
struct fraction {
```

```
    int numerator;
```

```
    int denominator;    | if int den == 1; // error
```

```
};
```

```
int main() {
```

```
    struct fraction half = {1, 2};
```

```
    struct fraction eight = {8, 1};
```

⇒ 1/2

```
    printf (" %d / %d \n", half.num, half.den);
```

⇒ 8/0

```
    printf (" %d / %d \n", eight.num, eight.den);
```

```
    struct fraction another = half;
```

1/2

```
    printf (" %d / %d \n", half.num, half.den);
```

1/2

```
    printf (" %d / %d \n", another.num, another.den);
```

if int
denominator
is 1

```
    { half.num = 2;
```

```
      half.den = 4;
```

⇒ 2/4

```
    printf (" %d / %d \n", half.num, half.den);
```

1/2

```
    printf (" %d / %d \n", another.num, another.den);
```


sprintf (p → name, "part f.d", i);

↳ လိုက်နာ၍ ပြန်တင်ရန်

↳ မှတ်တမ်း ပြန်တင်ရန်

အဲဒါကို part f.d ပုံစံဖြင့် မှတ်တမ်း မှည့်နိုင်ရန်

{
~
}

struct part a, b;

b. price = 39.99;

b. name = "floppy";

a = b;

memcpy (ka, kb, sizeof (part));

{
}

မှတ်တမ်း မှည့်နိုင်ရန် copy အား b ပုံစံဖြင့် မှည့်ရန်

ป็น friend function struct B ของ A 3

struct B;

struct A {

struct B * partner;

};

struct B {

struct A * partner;

};

↳ เป็น friend function ของ A

ข้อสอบ 2 เรื่อง 10 (จุดรวม เพื่อความเข้าใจ)

0.971 HHHHHH Structure

```
struct employee1
```

```
char - [20];
```

```
char - [20];
```

```
int -;
```

```
struct employee2 person // ERROR
```

```
- *a_ptr // pointer
```

```
struct example1
```

```
char c;
```

```
int i;
```

```
} simple1, simple2;
```

Various part

struct box b;

```
printf ("Enter the box width: ");
```

kb. win, kb. h, kb. l - 1.

MS 1035.15.00 01/10/2010

Array $\sim q_{16} q_{17} \dots q_{100}$ in order

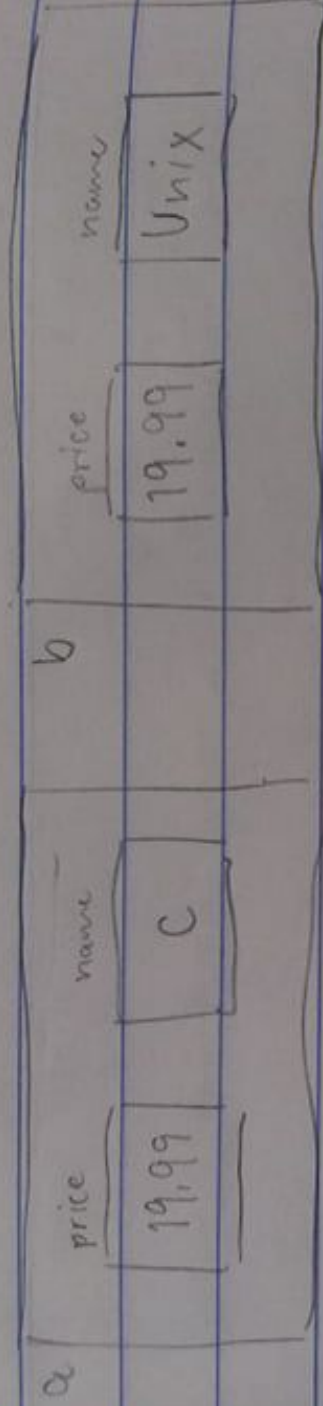
Size of a Strut

⇒
strcpy (b.name, "Unix book");

puts (a.name);

puts (b.name);

{



⇒ a = b ☐ a သည် b ကို လက်ညှိုးထိုးနေသည်

⇒ strcpy (b.name, a.name) မှန်သည်

တူညီသော pointer သုံးခုလုံးကို ၉၆ pointer အမှတ်အသားပေးသည်

(Unix လက်စွဲ) strcpy b သည် a နှင့် ၁၆ ခုကို ကိုင်တွယ်နိုင်သည်

ex

Enter the box dimensions (width, length, height) : 1 2 3

Enter the radius of the circle : 0.8

Box volume = 6

Circle area = 2.01

typedef struct {

int wid, len, h;

} Box;

typedef struct {

int radius;

abstraction msmmmmmmmm

{ Circle;

int main() {

Box mybox;

Circle c;

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

```
struct book {
```

```
    float price;
```

```
    char name[50];
```

```
};
```

```
int main() {
```

```
    struct book a, b;
```

```
    b.price = 19.99;
```

```
    strcpy(b.name, "C book");
```

```
    a = b;
```

```
    strcpy(b.name, "Unix book");
```

```
    puts(a.name);
```

```
    puts(b.name);
```

```
}
```

```
printf("Enter _____ : ")
```

```
scanf("%d %d %d %d", &w, &l, &h)
```

```
printf("Enter radius : ")
```

```
scanf("%f",
```

```
#
```

```
#
```

```
struct Box { int w, l, h; };
```

```
int GetVolume (struct Box b)
```

```
{
```

```
return b.w * b.l * b.h;
```

```
}
```

```
int main()
```

```
{
```

```
struct Box b;
```

```
printf("Enter the Box (w, l, h) : ");
```