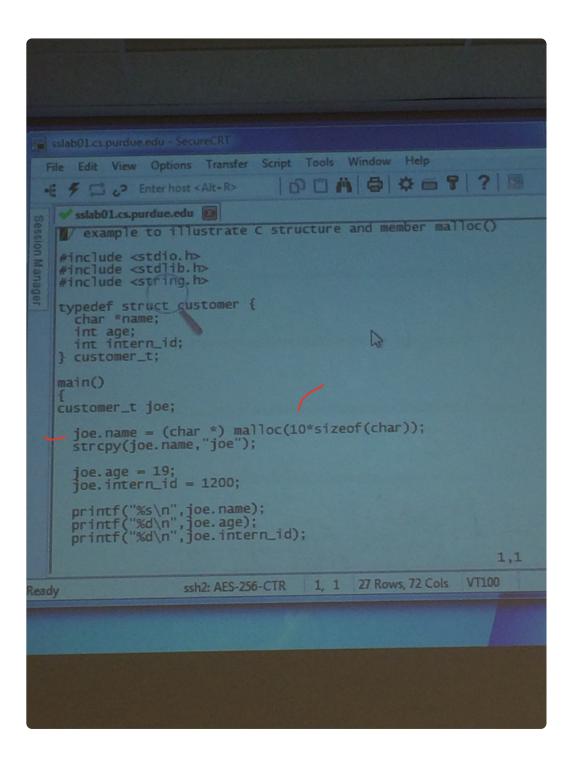
Struct

```
# 5 0 20 fester hint - Alt - R -
                     IDDA G OST ?
 // example to illustrate c structure
 #include <stdio.h>
 #include <string.h>
 char name[10];
    int age;
   int intern_id;
main()
 struct customer joe;
 struct customer sue;
   joe.name[0]
   joe.name[\frac{2}{3}] = joe.name[\frac{3}{3}] =
   joe.age = 19;
   joe.intern_id = 1200;
  printf("%s\n", joe.name);
printf("%d\n", joe.age);
printf("%d\n", joe.intern_id);
  strcpy(sue.name, "sue");
  sue.age = 20;
sue.intern_id = 50;
printf("%s\n", sue.name);
"main1.c" 36L, 562C
```

## Struct customer listA Clood;



```
sslab01.cs.purdue.edu - SecureCRT
    File Edit View Options Transfer Script Tools Window Help
                                                 0 0 A 6 $ 6 7 ? 5
    € 9 □ c Enter host < Alt+R>
      sslab01.cs.purdue.edu
       // example to illustrate c structure and member malloc()
      #include <stdio.h>
#include <stdlib.h>
      typedef struct customer {
   char name[10];
   int age;
   int intern_id;
} customer_t;
                                                                              syntax
different
      main()
      Gustomer_t *joe;
         joe = (customer_t *) malloc(sizeof(customer_t));
joe->name[0] = 'j';
joe->name[1] = 'o';
joe->name[2] = 'e';
joe->name[3] = '\0';
         joe->age = 19;
joe->intern_id = 1200;
     printf("%s\n",joe->name);
printf("%d\n",joe->age);
"main4.c" [converted] 30L, 487C
                                                                                           14,1
                              ssh2: AES-256-CTR
                                                      14, 1 27 Rows, 72 Cols VT100
Ready
          } customer_t;
     on Manager
          main()
          customer_t %joe;
              joe = (customer_t *) malloc(sizeof(customer_t));
joe->name[0] = 'j';
joe->name[1] = 'o';
joe->name[2] = 'e';
joe->name[3] = '\0';
              joe->age = 19;
              ioe->intern_id = 1200;
             printf("%s\n",joe->name);
printf("%d\n",joe->age);
printf("%d\n",joe->intern_id);
                                                                       100
          sslab01 24 % gcc main4.c
          sslab01 25 % a.out
          joe
19
          1200
          sslab01 26 %
                                   ssh2: AES-256-CTR 27, 14 27 Rows, 72 Cols
    Ready
```

```
sslab01.cs.purdue.edu - SecureCRT
  File Edit View Options Transfer Script Tools Wind
                            DOM
  € 9 5 enter host <Alt+R>
   sslab01.cs.purdue.edu
    #include <stdio.h>
    #include <stdlib.h>
    typedef int my_t;
    typedef my_t my1_t;
typedef my1_t my2_t;
   main()
   my2_t x;
     x = 3;
printf("%d\n",x);
Joe = (mira = name)
   "main5.c" [converted] 15L, 151C
(joe. mira. name) in stack
```