1. 写出运行结果:  
    union V {  
    struct X {  
     unsigned char s1:2;  
     unsigned char s2:3;  
     unsigned char s3:3;  
    } x;  
    unsigned char c;  
       } v;  
       v.c = 100;  
       printf("%d", v.x.s3);   
   }

2、Union{

Int a;

Struct {

Char b1;

Short b2;

Char b3;

}u;

}x;

若x.a = 0x22334455,则x.u.b1,x.u.b2,x.u.b3的值分别是多少？

1. 简述结构体和共用体的区别。
2. UCHAR \*pucCharArray[10][10];

  typedef union unRec

  {

      ULONG ulIndex;

      USHORT usLevel[6];

      UCHAR  ucPos;

  }REC\_S;

  REC\_S   stMax,\*pstMax;

  四字节对齐方式时： sizeof(pucCharArray) = \_\_\_\_\_\_, sizeof(stMax)=\_\_\_\_\_\_\_, sizeof(pstMax)=\_\_\_\_\_\_\_\_,sizeof(\*pstMax)=\_\_\_\_\_\_\_\_.

5、struct BBB

    {

       long     lNum;

       char     \*pcName;

       short    sDate;

       char     cHa[2];

       short    sBa[6];

    }\*p;

    p = 0x100000;

    p + 0x1 = 0x\_\_\_\_

    (unsigned long)p + 0x1 = 0x\_\_\_\_\_\_

    (unsigned long \*)p + 0x1 = 0x\_\_\_\_\_\_

(char \*)p + 0x1 = 0x\_\_\_\_\_\_

6、struct tagAAA

{

    unsigned char ucId:1;

    unsigned char ucPara0:2;

    unsigned char ucState:6;

    unsigned char ucTail:4;

    unsigned char ucAvail;

    unsigned char ucTail2:4;

    unsigned long ulData;

}AAA\_S;

问：AAA\_S在字节对齐分别为1、4的情况下，占用的空间大小是多少？

7、#pragma pack(4)/\*编译选项，表示4字节对齐\*/

int main(int argc, char\* argv[])

{

    struct tagTest1

    {

        short a;

        char d;

        long b;

        long c;

    };

    struct tagTest2

    {

        long b;

        short c;

        char d;

        long a;

    };

    struct tagTest3

    {

        short c;

        long b;

        char d;

        long a;

    };

    struct tagTest1 stT1;

    struct tagTest2 stT2;

    struct tagTest3 stT3;

    printf("%d %d %d", sizeof(stT1), sizeof(stT2), sizeof(stT3));

    return 0;

}

#pragma pack()（编译选项结束）

请问输出结果是：\_\_\_\_\_\_\_\_\_

8、enum ENUM\_A

    {

          X1=2,

          Y1,

          Z1 = 6,

          A1,

          B1

    };

    enum ENUM\_A enumA = Y1;

    enum ENUM\_A enumB = B1;

请问 enumA = \_\_\_\_; enumB = \_\_\_\_\_\_;

9、struct tagABC

{

    char  cB;

    short sC;

    char  cD;

    long  lA;

}\*pAbc;

pAb=0x100000;

那么pAbc+0x100 = 0x\_\_\_\_\_\_\_\_\_; (ULONG)pAbc + 0x100 = 0x\_\_\_\_\_\_\_\_\_;

(ULONG \*)pAbc + 0x100 = 0x\_\_\_\_\_\_\_\_\_;(char \*)pAbc + 0x100 = 0x\_\_\_\_\_\_\_;

1. 设struct   
   { short a;   
   char b;   
   float c;   
   }cs;   
   则sizeof(cs)的值是   
   A.4   
   B.5   
   C.6   
   D.7
2. 怎么在结构体中实现函数？