

# Assignment1 part I [50 pts]

1.下面结构体的定义语句中，**错误**的是()

- A) struct s1 {int x; } struct s1 a;
- B) typedef struct {int x; } s1; s1 a;
- C) struct s1 {int x; } a;
- D) struct {int x; } a;

2.若有以下定义 `char s[20] = "SUSTECH", *ps = s`，代表字母E的表达式**错误**的是()

- A) s[4]
- B) ps+=4, \*ps
- C) \*(ps+4)
- D) \*s+=4

3.下面哪个表达式**不能**将计算 `int a;` 和 `int b;` 中大的一个赋值给 `int c;` 的是()

已有函数

```
int max(int a, int b){  
    return a>b?a:b;  
}
```

A) `c = a > b ? a:b;`

B)

```
# define MAX(x,y) x>y?x:y;  
c = MAX(a,b)
```

C)

```
int *(p)(int, int);  
p = max;  
c = p(a,b);
```

D)

```
int (*p)(int, int);  
p = &max;  
c = p(a,b);
```

4.下面表达式能够定义一个结构体并正确赋值姓名的是()

```
typedef float grade;

typedef struct Student{
    int uid;
    char name[20];
    grade chinese;
    grade math;
    grade english;
    grade (*get_average)(float, float, float);
}stu, *st;
```

- A) st s; s.name="bob";
- B) stu s; s->name = "bob";
- C) stu s = {.name = "bob"};
- D) stu s = {name = "bob"};

5.假设有定义 `int arr[3][3] = {0,1,2,3,4,5,6,7,8};`，下列能取到数字8的是()

- A) `int *p = arr; p+=9; *p`
- B) `int *q = arr; q[3][3]`
- C) `int *q = arr[2]; q+=2; *q`
- D) `int *p = arr[0]; *((int*)(p+2)+6)`

Part II [50 pts] 请登录<https://oj.cse.sustech.edu.cn/> 群组->OS 2023 Spring 完成homework的两道编程题