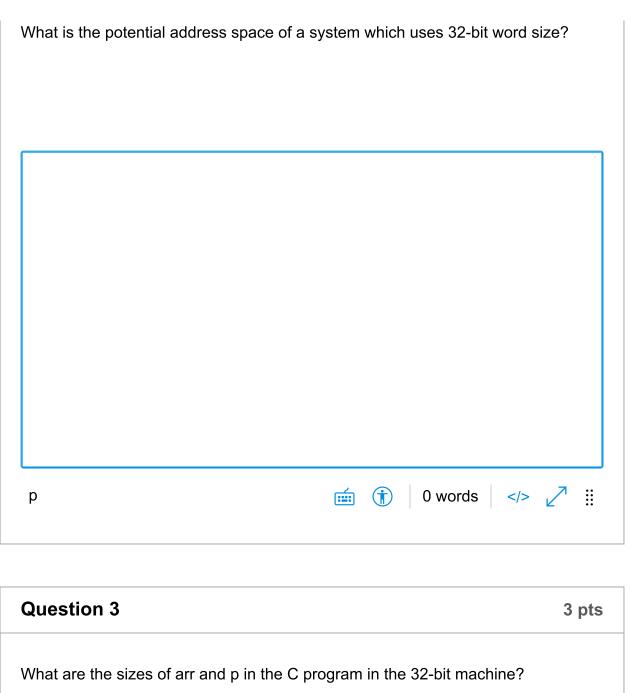
Exam-1.2

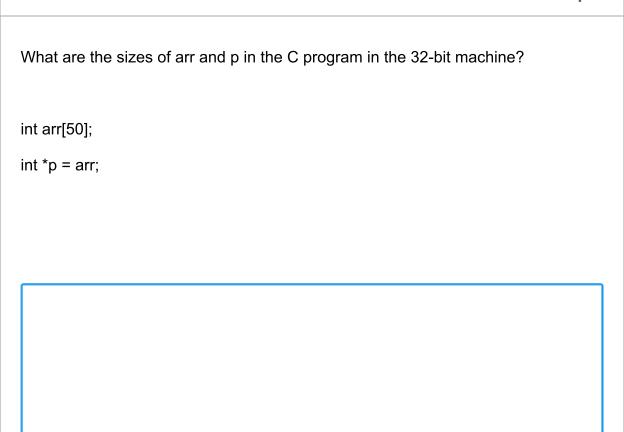
Started: Jun 13 at 9:01pm

Quiz Instructions

Question 1		3 pts
What is the problem with the following code	e?	
int i = 5		
char ptr = &i		
char *ptr1 = &i		
printf("%d\n", i);		
р	(†) 0 words	1 ::
·		••

Question 2 3 pts

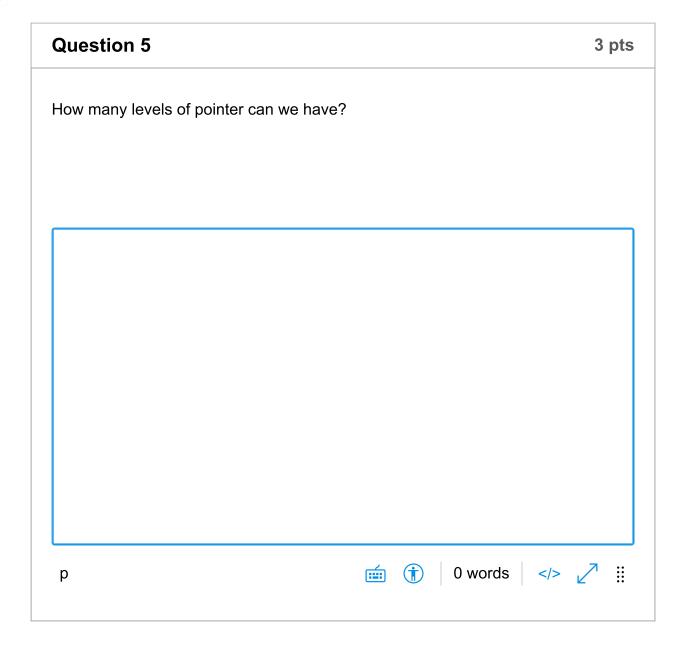


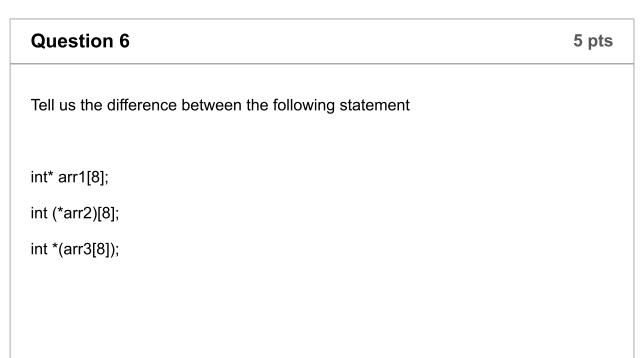


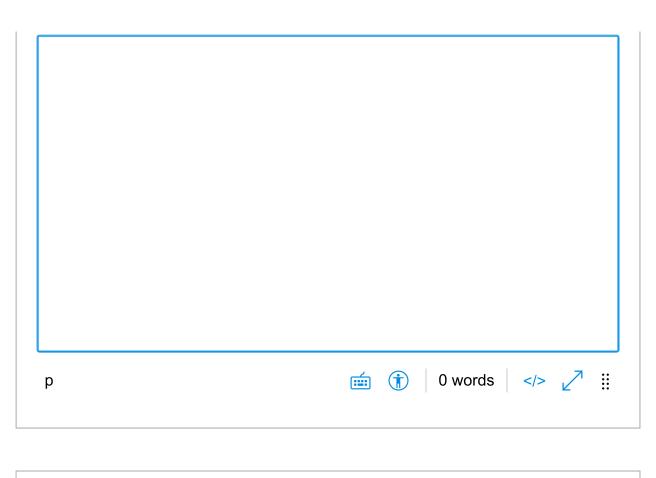
р

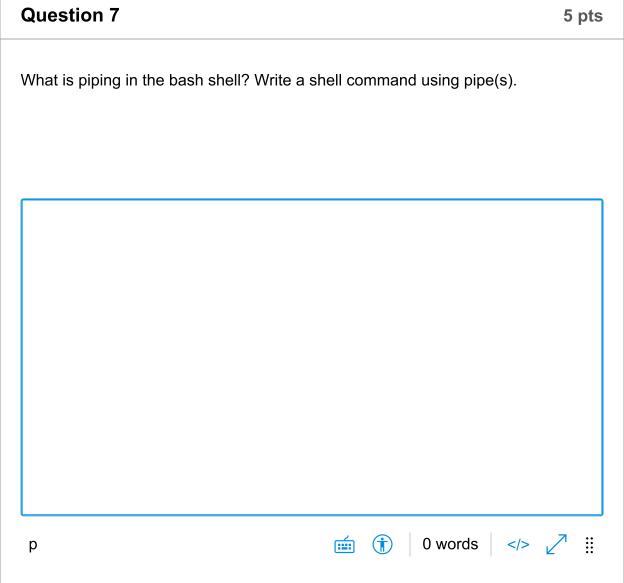
Question 4 3 pts What is the size of the following union abc? 1. union abc{ 2. **int** a; 3. char b; 4. float c; 5. double d; 6. }; **★** 0 words | </> **★ ※**

р









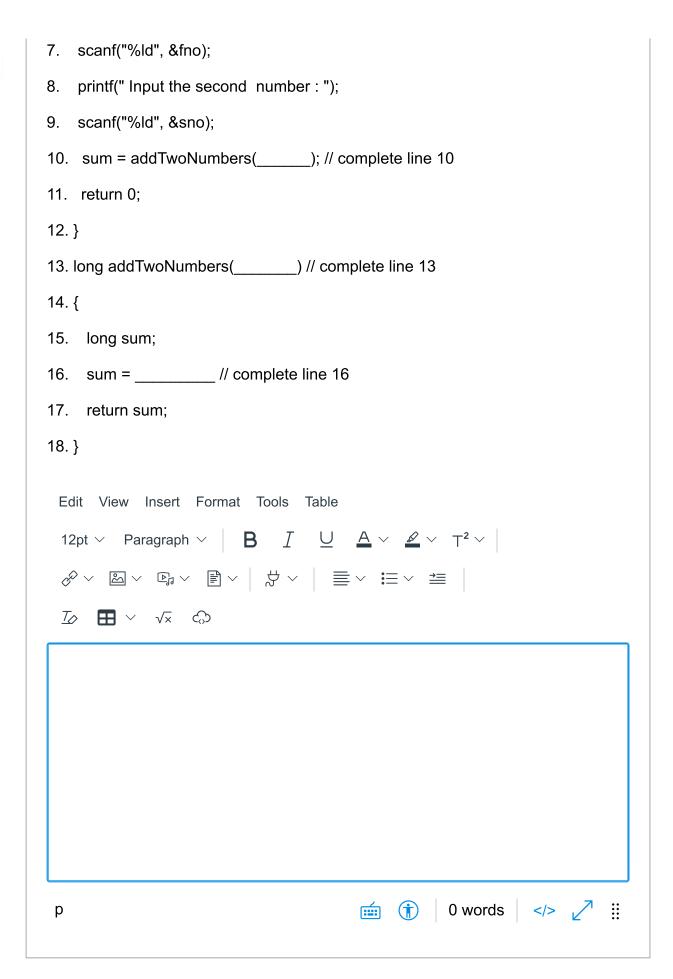
Question 8 5 pts Why does the CPU need to be in privileged mode while OS is doing any task? Explain. **★** 0 words | </> ✓ **※** р

```
Based on the code snippet, finish the function prototype for the foo function, clearly showing the type of each argument.

void foo( );
....

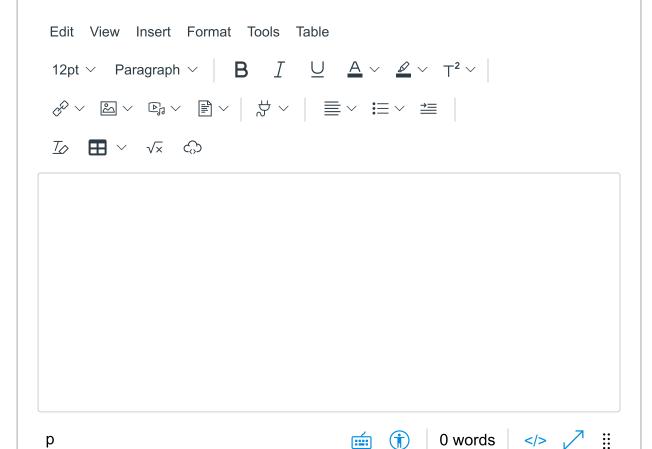
int main() {
  int *a, c[10]={[0,2]=10};
```

```
char b;
 a = c;
foo((float *)&a[0], b, c);
}
 Edit View Insert Format Tools Table
 I_{\mathcal{D}} \quad \blacksquare \quad \vee \quad \sqrt{\mathsf{x}} \quad \Leftrightarrow
                                ★ 0 words | </> ✓ ※
р
```



Question 11 8 pts

- a. [3 points] Write code which creates a struct type called StudentData to represent the registration data of each student in our class. The structure has two fields: the id field *stu_id* that is an 32-bit unsigned integer, and the name field *stu_name* that uses (up to) 20 characters.
- b. [2 points] In the above question, let us assume the struct type in addition has the third field variable stu_sec to represent the student section id, which is of an enum type with three section names SECTION1 (representing 1), SECTION2 (representing 2) and SECTION3(representing 3) as its member fields. Write the code to correctly declare the enum type variable stu_sec .
- c. [3 points] Continue with the above question. Write code to (1) declare a variable bob and a pointer p of this struct type; (2) initialize p with the address of bob; (3) initialize the section id of bob with SECTION3 through the pointer p



Quiz saved at 9:01pm

Submit Quiz