

Q5: Is the following program snippet correct?

```
int a = 10, b = 20;  
  
int *ptr;  
  
*ptr = 5;
```

Answer: This program snippet is incorrect because the pointer `ptr` is not initialized. You cannot dereference an uninitialized pointer. It should point to a valid memory address before you assign a value to `*ptr`.

To fix it:

cpp

Copy code

```
int a = 10, b = 20;  
  
int *ptr = &a; // Now ptr points to a valid memory address  
  
*ptr = 5;
```