

1 Solution

The solution lies in changing line 7. Size is a pointer, so "int s = size;" sets s to be a memory address, not the size wanted. The simple solution is to add * before size.

2 Debugging Output

The debugger gave the following output when I tested the value of variable s:

```
(gdb) print s
```

```
$6 = -9420
```

The variable size was also tested:

```
(gdb) print size
```

```
$5 = (int *) 0x7fffffffdb34
```

Because size and s are different types, it is wrong to assign s to size.

You need to dereference it first.

3 Methodology

In order to solve the problem, I first looked at the source code briefly, to find any egregious errors. After looking at this, I used gdb to test certain variables, such as size and s. Because the program initially didn't print anything, I suspected something was wrong in the printArray function. I was correct, as the error was indeed in a declaration statement in this function.