

Question 1

Find the output of the following code snippet:

```
int i = 0, j = 0;  
int *p = &i, *q = &j;  
q = p;  
*q = 2;  
cout<<i<<" "<<j;
```

Ans: first i = 0 and j = 0

*p = 0 and *q = 0

*p->i and *q -> j (p has address of i and q has the address of j)

q = p (Now q and p have the same address value so both points to i)

*q = 2 (the value of i, that is where the q points to, is now changed to 2)

cout<<i<<" "<<j; (value of i = 2, j = 0)

// so the output is now : 2 0