

**Question: 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
```

**Solution:**

In this code p is a pointer to integer variable i and q is a pointer to integer variable j. So p is storing address of i and q is storing address of j.

Now By the statement q=p, q is now storing the value of p, i.e. q is storing address of i.

Now by \*q=2, we are updating the value at the address stored in q, i.e. value of i=2.

So by the last line, the final value of i and j will be printed.

**So the output will be:**

**2 0**