**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;

**OUTPUT:**

2 0

**EXPLANATION:**

int i =0, j = 0; //initializing value 0 to ‘i’ and ‘j’

int \*p = &i, \*q = &j; //’p’ points to address of ‘i’ and ‘q’ points to address of ‘j’

q = p; //Now ‘q’ points to the address at which p points that is ‘i’

\*q = 2 //here first we de-refer the address to which ‘q’ points and assign the value 2 at that location, now i=2

cout<<i<<" "<<j; //prints value stored in ‘i’ and ‘j’ i.e., 2 0