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;

Solution:

Initially i=0 and j=0.

We create two pointer variables p and q

p is storing the address of variable i.

q is storing the address of variable j;

Now we execute q=p that means the value that is stored at p we store it at q.

Means p had the address of variable i so now q also has the address of variable i.

\*q=2 means we change the value at the address stored in q that means we change the value of i to 2 .

Hence that value of i is changed to 2 but value of j is as it was that is 0.

Hence output will be:

2 0