

Inside the array the integer stored is 100.

So when the program runs in the while loop ($x < 100$) which mean anything below 100 will run in the run.

The loop will run till the time it reaches 99.

$arr = x * x \Rightarrow 99 * 99 = 9801$

The first result is 9801.

The second result is 100

As it says $x = arr[y]$

Which means the loop will run till $x = 100$ and then $y = 100$;

After that the loop will stop running.