Ques: Write about dynamic array with examples?

Ans: Dynamic arrays are arrays that grows itself during insertion of data even if there are no space to insert new data whereas in simple array, a size is allocated for

the array.

For example , let’s say there is an Array A. At first, we allocated a size of 100. But after certain time we might need further space to insert data after the whole space gets reserved which will create a problem. Even if we reserve very large space for array, A , the extra space that is not required will be an waste of space.

So if we make array A a dynamic array, this problem can be solved easily. We can allocate a fixed size for A but even if we need more space the array will grow it’s size with insertion which will not only save not needed reserved space but will make allocation of size easier.