**Programming Fundamentals (Lecture # 2)  
 Topic: Arrays (char)   
Dated: 17 March 2022**

**Code the following:**

***Note:? Means Garbage value***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data** | **?** | **?** | **?** | **?** | **?** |
| **Index** |  |  |  |  |  |
| **Box Name** |  |  |  |  |  |

**Question 1: The above diagram is used to store the first letter of each drug name. label the diagram above.**

**Question 2: Write a C++ single line statement to create / declare the array in the above diagram. (Initialization of values is not required as array is storing garbage values according to the diagram).**

**Question 3. Write C++ code to fill the data portion of the above array with 5 different drugs first letter of your own choice.**

**Question 4. Write C++ code to count the drugs whose first letter start with p.**

**Question 5. Write C++ code to convert the first letter of all the drugs from small letter to capital.**

**Question 6. Move the first letter of drug to the second last position and the drug letter at the second last position to the first location if and only if their letters are different.**

**Question 7. Copy all the letters of drugs into separate array in reverse order.**