**Programming Fundamentals (Lecture # 1)  
Topic :Arrays   
Dated: 15th March 2022**

**Code the following:**

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

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

**Question 1: The above diagram is used to store the prices of 5 medicines in a drugstore, your task is to label all the indexes and each box name in the above diagram with the help of pencil/pen. (No code required).**

**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 prices of your own choice.**

**Question 4. Write C++ code to print the price of the first drug only from the above array after initialization of part 3.**

**Question 5. The price of the third drug in the array needs to be increased 2% of the current price, write C++ code to update the third drug price in the above array.**

**Question 6. List the total of all the prices of the drugs in the array.**

**Question 7. The prices of the fourth and the fifth drug needs to be exchanged, Write C++ code to replace the price of the 4th drug with the cell of 5th drug and the price of 5th drug with the cell of 4th drug.**

**Question 8. The prices of all the drugs are decreased by a fix amount of 3 Rupees, Write C++ code to update the prices of all the drugs in the array by subtracting 3 from each price amount.**

**Question 9. Write C++ code to display only the drugs prices above 20 Rupees.**

**Question 10. Write C++ code to tell how many drugs costs less than 10.**