Practice List: 02
Problem Definition
By using database named "bmiit2022", create the collection named "Items" with the given fields and documents:

ID	NAME	MANUFACTURER	PRICE	QTY	STOCKDATE	DEALER
TP01	Talcom Powder	Persona	40	45	11-02-18	Krishna Cosmetik
FW05	Face Wash	Attitude	45	55	15-04-18	Surbhi Collection
BS01	Bath Soap	Persona	55	80	11-02-18	Krishna Cosmetik
SH06	Shampoo	Patanjali	12	50	05-01-17	Surbhi Collection
FW12	Face Wash	Loreal	95	45	05-01-16	Surbhi Collection
S5005	Ball Pen 0.5	Nataraj Classic	16	100	31-03-10	Clear Deals
S5003	Ball Pen 0.25	Nataraj Classic	20	150	01-01-10	Clear Deals
S5002	Gel Pen Premium	Pilot Juice	14	125	14-02-10	Reliable Stationers
S5006	Gel Pen Classic	Pilot Juice	22	200	01-01-10	Reliable Stationers
S5001	Eraser Small	Apsara	15	210	19-03-09	Clear Deals
S5004	Eraser Big	Apsara	10	60	12-12-09	Clear Deals
S5009	Sharper Classic	Nataraj Classic	18	160	23-01-09	Classic Plastics

Consider the above collections and perform the following operations:
1. Display only the name and price of items, whose manufacturer is "Persona".
2. Count the total number of manufacturers.
3. Display all the item's details, whose names starts from "Sh".
4. Display the items details of all different types of pens.
5. Display only the name and price of product along with quantity, whose price is more than 80.
6. Show only the item and its price of those items, whose price is less equal to 20.

7. Display the details of those items; whose dealer code is 102 or quantity is more than 100.
8. Show the details of items, whose quantity is in the range of 50 to 100.
9. Increase the price of items by 10.
10. Decrease the quantity of items by 30.
11. Update the price of items by increasing 15%.
12. Find the maximum and minimum price of item in a single query.
13. Calculate the average of item price.
14. Calculate the total amount of items and find the average of it.
15. Display all item names and its price in following format:
    Talcom Powder price is 40.
        [Hint: $concat]
16. Display all item names and its stock date in following format:
    The Ball Pen 0.5 stock date is 2010-03-31.
17. Show all item names with its price and stockdate.
    [Note: The "stoctdate" format must be as 21st November 2019]
18. Arrange all the item's details according to the item in ascending order.
19. Display details of all stock items in decreasing order of StockDate.
20. Find the manufacturer whose dealer is not Reliable Stationers, Clear Deals and Krishna Cosmetik.
21. Show all the items in upper case. [Hint: $toUpper]
22. Display only the item names with its length. [Hint: { $strLenCP: "$<field_name>" }
23. Show all the manufacturers of items in small letters.
24. Count the total number of dealers from items collection.
25. Count total number of items of different dealers.
26. Display the maximum price of items for each dealer.
27. Find the total amount price of items for the date "01-01-2010".
28. Extend the stockdate of items by two months.
29. Find the manufacturer(s) whose item price is the lowest among all the items.
30. Delete all the records from all the collections.