

Day 4

Task 1:

Using maps in dart programming language, create a program that asks the user to input the no of elements he want to store in the map and enter the elements then print each element stored in the list in a single line.

Ex:

```
enter the numbers of elements you
want to add in the map :
2
Enter the key of element 1
0
Enter the value of element 1
1
Enter the key of element 2
0
Enter the value of element 2
2
1
2
```

Task 2:

write a Dart program that asks a user to input numbers by the following:

1. The user is asked to enter the number of values he wants to store in the map.
2. The user will be asked to enter the keys and values of the map sequentially.
3. The following will be printed to the user:
 - The map values.

- The sum of map values.
- The average value of map values (Sum/number of elements).
- The minimum value in the map.
- The maximum value in the map.

Task 3:

Create a Mini map editor using Dart language by which the the map is initialized with no elements(numbers) and the user inputs the list numbers assigned with its keys. The user should be able to:

1. Add elements to the map(key, value)
2. Remove an element from the map.
3. Update a value in the map.
4. Print all the values.
5. Search on a value in the map.

More details:

```
Map<String,?> mymap={}
```

[Redacted]

- 1- add value
- 2- remove value
- 3- update value
- 4- show value
- 5- search value

1
number of value ?
5
add to [Redacted]

Map

3
enter old value
20
enter new value
30
.....

2
a)remove by value
b)remove by index

key

4
print all data of [Redacted]
in new line .

Map

5
a) found or not found
b) get key if value
is found