Hash maps
Ls Collection of
key and Value
pair

Hashmap

Key Value

Tanmay 8090

Alam 90

Shubhan 100

Konal 95

Abdul 85

Name - marks Stering Integer Search Add Remove Assoy 0(1) O(n) O(1) Assaylist O(1) 0(1) 0(n) 0(9) 0(n) 0(1) Hashmap O(1) 0(1)

Tanmay, 80 Shubham 100

Kuhal

ALam

Abdul,

Note

9 O 8**E**

95

in hash map/ hash set

ad 90 | 100 | 95 | 25 |

has a lot of Entries hashmap map entry Set () Le Collection of Entries in iterable manner Jose (Map. Entry < S, I > entry; map. entry Sek) Ques Find chan with max freequency O(h2) "Newton School" Chara fareay 12

1 acbredbacdbebddeab 123 mg S max = S 12 3/4 S char = a 1234 1234 Que Remane Duplicates

(1) -> (3) -> (1) -> (3)-(1) 1) Normally O(n²)
(2) Sout O(nlogn)

(3) Hash set O(n)

(common alements (unique) 2017, S, 3, 1, 2, 4 h 2017, S, 2, 1, B m (1, S, 2)

[1, 5,4

2

Common elements 2

corr 1, 5, 3, 1, 2, 3, 5, 5, 8

arr 2 1, 1, 1, 3, 7, 5

Out put 1,1,3,5

Ques Un common elemente con 1,3,1,2,5 ans 2,3, 7

7,2,18