Q1. Implement a Map in java which takes the input and print the list in sorted order based on key.

Input: 5- Rahul, 7 Lakshman, 1 Ram, 4 Krrish, 2 Lakshay

Output: {1=Ram, 2=Lakshay, 4=Krrish, 5=Rahul, 7=Lakshman }

Ans. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git

Q2. Implement a Map in java which takes the input and print the list in sorted order based on value. Input: 5- Rahul, 7 Lakshman, 1 Ram, 4 Krrish, 2 Lakshay

Output: {Krish=4,Lakshay=2,Lakshman=7,Rahul=5,Ram=1}

Ans. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git

Q3.Detect if an Array contains a duplicate element. At Most 1 duplicate would be there.

Input: 1,2,3,4

Output: No

Input: 1, 2, 3, 4, 1

Output: Yes .

Ans. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git

Q4. Given an array nums of size n, return the majority element.

Input: 4,2,7,1,9

Output: 9

Ans. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git

Q5. Given two strings ransomNote and magazine, return true if ransomNote can be constructed by using the letters from magazine and false otherwise.

Each letter in magazine can only be used once in ransomNote.

Input: ransomNote = "a", magazine = "b"

Output: false.

Ana. https://github.com/PRAVALSHARMA/PW\_JAVA\_DSA\_ASSIGNMENT.git