

HASHING DATA STRUCTURE

- Intersection of two arrays
- Given two arrays $a[]$ and $b[]$ respectively of size n and m ,
- Input : $arr[] = \{ 89 \ 24 \ 75 \ 11 \ 23 \}$
Input : $brr[] = \{ 89 \ 2 \ 4 \}$

Common element : 89

Ans. = 1

Hello world

HASHING DATA STRUCTURE

- Intersection of two arrays
- Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 1\ 2\ 3\ 4\ 5\ 6 \}$

Input : $brr[] = \{ 3\ 4\ 5\ 6\ 7 \}$

Common element : 3 4 5 6

Ans. = 4

Hello world

HASHING DATA STRUCTURE

Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 89 \ 24 \ 75 \ 11 \ 23 \}$ $\xrightarrow{\text{unordered set}}$ $\{ 89 \ 24 \ 75 \ 11 \ 23 \}$

Input : $brr[] = \{ 89 \ 2 \ 4 \}$

Common element : 89

Count = 1

Hello world

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Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 89\ 24\ 75\ 11\ 23 \}$ $\xrightarrow{\text{unordered set}}$ $\{ 89\ 24\ 75\ 11\ 23 \}$

Input : $brr[] = \{ 89\ 2\ 4 \}$

Common element : 89

Count = 1

Ans. = 1

Hello world

HASHING DATA STRUCTURE

Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 1\ 2\ 3\ 4\ 5\ 6\ 1\}$ $\xrightarrow{\text{unordered set}}$ $\{ 1\ 2\ 3\ 4\ 5\ 6\}$

Input : $brr[] = \{ 3\ 4\ 5\ 6\ 7\}$

Common element : 3

Count = 1

Hello world

HASHING DATA STRUCTURE

Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 1\ 2\ 3\ 4\ 5\ 6\ 1\}$ $\xrightarrow{\text{unordered set}}$ $\{ 1\ 2\ 3\ 4\ 5\ 6\}$

Input : $brr[] = \{ 3\ 4\ 5\ 6\ 7\}$

Common element : 3 4 5 6

Count = 4

Ans. = 4

Hello world

HASHING DATA STRUCTURE

Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 4 \ 4 \}$ $\xrightarrow{\text{unordered set}}$ $\{ 4 \}$

Input : $brr[] = \{ 1 \ 4 \ 2 \ 3 \ 5 \ 4 \}$

Common element : 4

Ans. = 2



HASHING DATA STRUCTURE

Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 4 \ 4 \}$ $\xrightarrow{\text{unordered set}}$ $\{ 4 \}$

Input : $brr[] = \{ 1 \ 4 \ 2 \ 3 \ 5 \ 4 \}$

Common element : 4

Ans. = 1

Hello world

HASHING DATA STRUCTURE

Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 4 \ 4 \}$ $\xrightarrow{\text{unordered set}}$ $\{ \}$

Input : $brr[] = \{ 1 \ 4 \ 2 \ 3 \ 5 \ 4 \}$

Common element : 4

Ans. = 1

Hello world

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Intersection of two arrays

Given two arrays $a[]$ and $b[]$ respectively of size n and m ,

Input : $arr[] = \{ 4 \ 4 \}$ $\xrightarrow{\text{unordered set}}$ $\{ \}$

Input : $brr[] = \{ 1 \ 4 \ 2 \ 3 \ 5 \ 4 \}$

Common element : 4

Ans. = 1

Hello world