**Array**

Array is a collection of values stored at adjacent memory location.

* Index array/ single dimensional array
* Multidimensional array

Types of loops:

* For
* While
* Do while
* For in
* For off

**Multidimensional Array:**

**Swapping**

Two Variables

N1=10, N2=20

N1=n2-n1 (30-10=20)

N2=n1+n2(20+20=30)

**Types of String functions:**

* Slice
* Splice
* Substring
* Indexof
* Lastindexof

**Objects:**

Advance version of Array.

Real life entity, having properties and methods.

**25-03-2024**

**1. Extention of file**

Split 🡪 convert the string into Array

26-03-2024

**2. Revers String**

* Split
* Reverse
* Join

**3. Local Storage**

Login System

Session storage

Local storage properties:

* Set item
* Get item
* Remove item

01-04-2024

**Bootstrap**

* Cssframwork -> Collective libraries and builtin components, classes, responsiveness

**Types of CDNs used:**

* External links
* Download framework

**Grid Layouts with sizes:**

* Xl >=1200px
* Lg >=992px
* Md >=768px
* Sm >=576px
* Col <576px

**Parent classes:**

1. Container
2. Contain-fluid
3. Row
4. col

**background colors classes:**

* bg-info
* bg-primary
* bg-success
* bg-warning
* bg-light
* bg-dark
* bg-danger

**03-04-2024**

Component

**04-04-2024**

Formgroup

Breadcrumb

Pagination

Model

**18-04-2024**

**SQL**

* **DDL (create, alter)**
* **DML (insert, update delete)**

**19-04-2024**

**Logical and conditional operators**

**20-04-2024**

**RDBMS**

Clauses:

* In
* Between
* Not in

Normalization

**Aggregate functions**

* Avg
* sum
* Count
* Min
* Max

select AVG(Salary) from employees where Dept= "CS" GROUP BY (Dept)