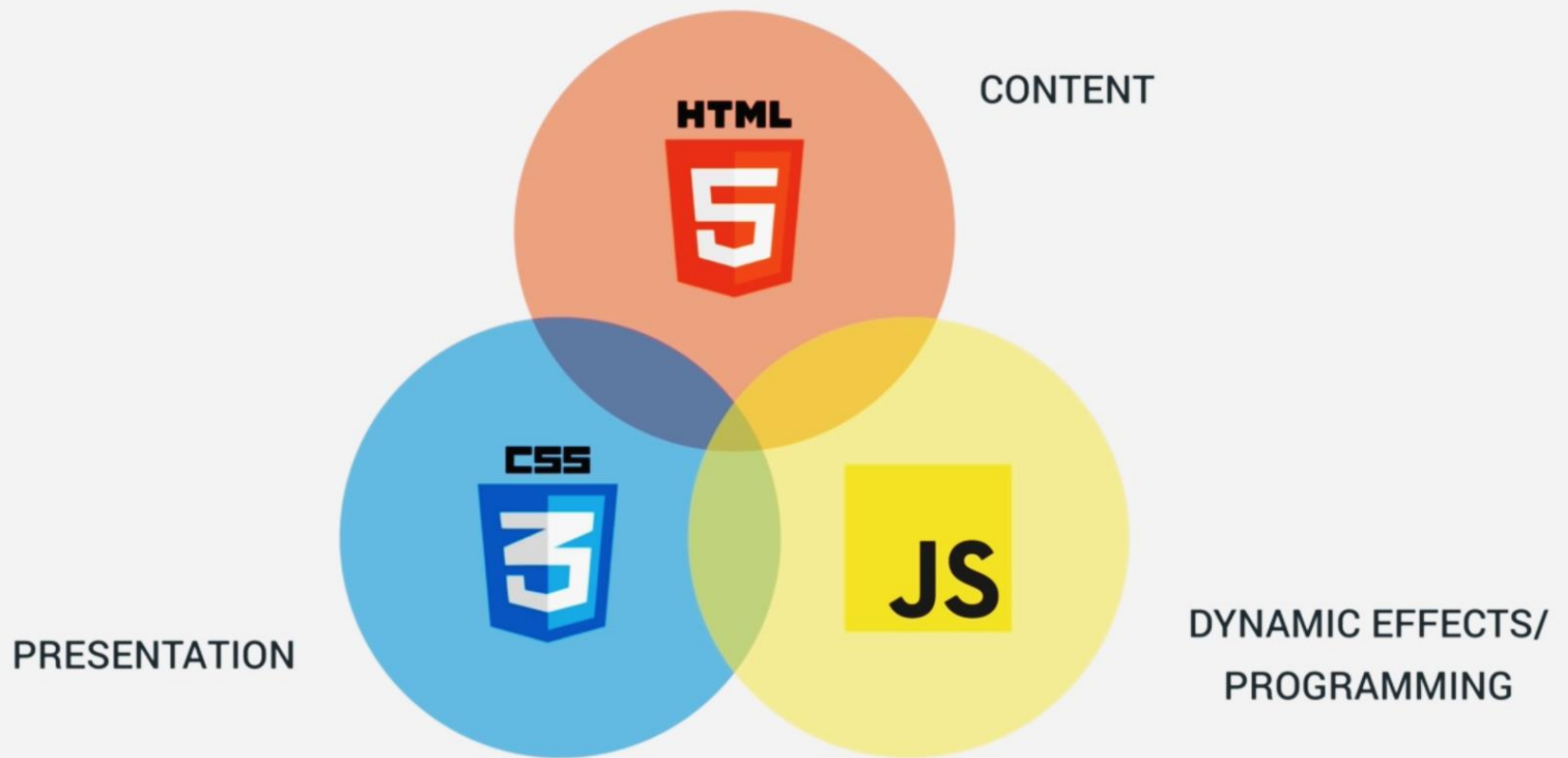# JAVASCRIPT
DATA TYPES,
STRING & IT'S METHODS

JS

ROLE OF JAVASCRIPT

INTRODUCTION

- ADDING JAVASCRIPT TO A WEB PAGE.

- THE BROWSER CONSOLE

DATA TYPES IN JAVASCRIPT

- THERE ARE TWO TYPES IN JS

  - **PRIMITIVE TYPE**

  - **COMPOSITE/ NON-PRIMITIVE TYPE**

PRIMITIVE TYPE

- **STRING**
- **NUMBER**
- **BOOLEAN**
- **UNDEFINED**
- **NULL**

NON-PRIMITIVE TYPE

- **ARRAY**
- **OBJECTS**
- **FUNCTION**

PRIMITIVE TYPE - **STRING**

- STRING CONCATENATION
- GETTING CHARACTERS
- STRING LENGTH

PRIMITIVE TYPE – **STRING METHODS**

- toUpperCase()
- toLowerCase()
- indexOf()
- lastIndexOf()
- slice (from where to start, where to end)
- Substr (from where to start, count the digits which you give then end)
- replace()
- replaceAll()

PRIMITIVE TYPE – **NUMBER**

OPERATOR

- +, -, /, *, **, %

- ++, --

- +=, -=,

- NAN (NOT A NUMBER)

PRIMITIVE TYPE – **BOOLEAN**

BOOLEAN IS A PRIMITIVE DATA TYPE IN JAVASCRIPT. BOOLEAN CAN HAVE ONLY TWO VALUES, TRUE OR FALSE.

PRIMITIVE TYPE – **UNDEFINED & NULL**

UNDEFINED

A VARIABLE OR AN OBJECT HAS AN UNDEFINED VALUE WHEN NO VALUE IS ASSIGNED BEFORE USING IT. SO YOU CAN SAY THAT UNDEFINED MEANS LACK OF VALUE OR UNKNOWN VALUE.

NULL

YOU CAN ASSIGN NULL TO A VARIABLE TO DENOTE THAT CURRENTLY THAT VARIABLE DOES NOT HAVE ANY VALUE BUT IT WILL HAVE LATER ON. A NULL MEANS ABSENCE OF A VALUE.

NON-PRIMITIVE TYPE – **ARRAY**

TO STORE DIFFERENT VALUES OR MULTIPLE DATA TYPES IN A SINGLE VARIABLE.

ARRAY METHODS:

- JOIN(,)
- INDEXOF()
- CONCAT()
- PUSH()
- POP()
- UNSHIFT()
- SHIFT()