LOOPS IN JS

Loops are used to execute a piece of code again & again.
In java script loops are of different types   1. while 2.do-while 3. for loop

for Loop

```
for (let  i = 1; i <= 5; i++) {

    console.log("Welcome to loops ");

}
```

LOOPS IN JS

Infinite Loop : A Loop that never ends

LOOPS IN JS

while Loop

```
while (condition) {

    // do some work

}
```

LOOPS IN JS

```
do {

    // do some work

} while (condition);
```

LOOPS IN JS

for-of Loop

```
for (let val of strVar) {

    //do some work

}
```

LOOPS IN JS

for-in Loop

```
for (let key in objVar) {

    //do some work

}
```

LET'S PRACTICE

Qs1. Print all even numbers from 0 to 100.

LET'S PRACTICE

Qs2. Create a game where you start with any random game number. Ask the user to keep guessing the game number until the user enters correct value.

STRINGS IN JS

String is a sequence of <u>characters</u> used to represent text

Create String

let str = "Kiran kumar";

String Length

str.length

String Indices

str[0], str[1], str[2]

TEMPLATE LITERALS IN JS

A way to have embedded expressions in strings

`this is a template literal`

String Interpolation

To create strings by doing substitution of placeholders

`string text ${expression} string text`

STRING METHODS IN JS

These are built-in functions to manipulate a string

- str.toUpperCase( )

- str.toLowerCase( )

- str.trim(   ) // removes whitespaces

STRING METHODS IN JS

- str.slice(start, end?) // returns part of string

- str1.concat(str2) // joins str2 with str1

- str.replace(searchVal, newVal)

- str.charAt(idx)