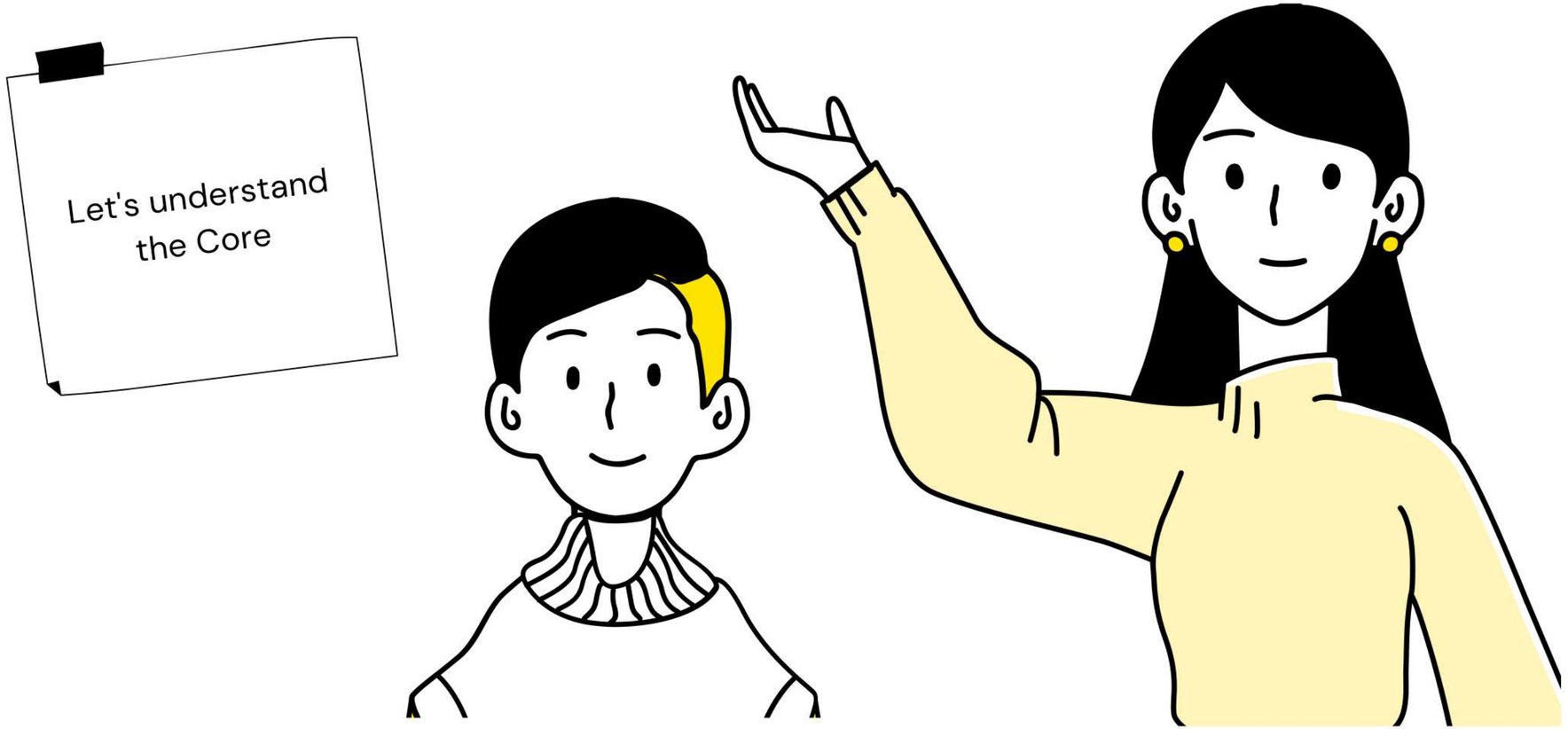
JS Foundation



Vidhya
SKILL SCHOOL

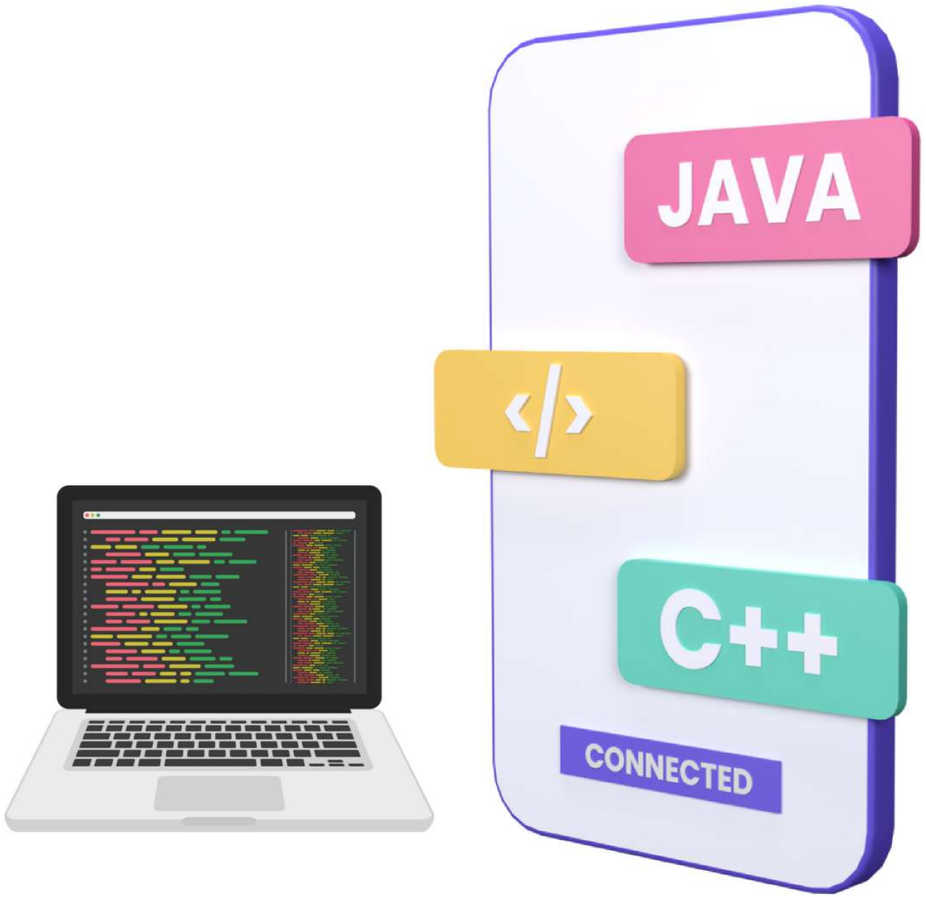
It may not happen now but however will happen for sure

Today's Agenda

1. What is Programming?
2. Keywords
3. Arithmetic Operators
4. Comparision Operators
5. Logical Operators
6. Assignment Operators
7. Data Types
8. Functions

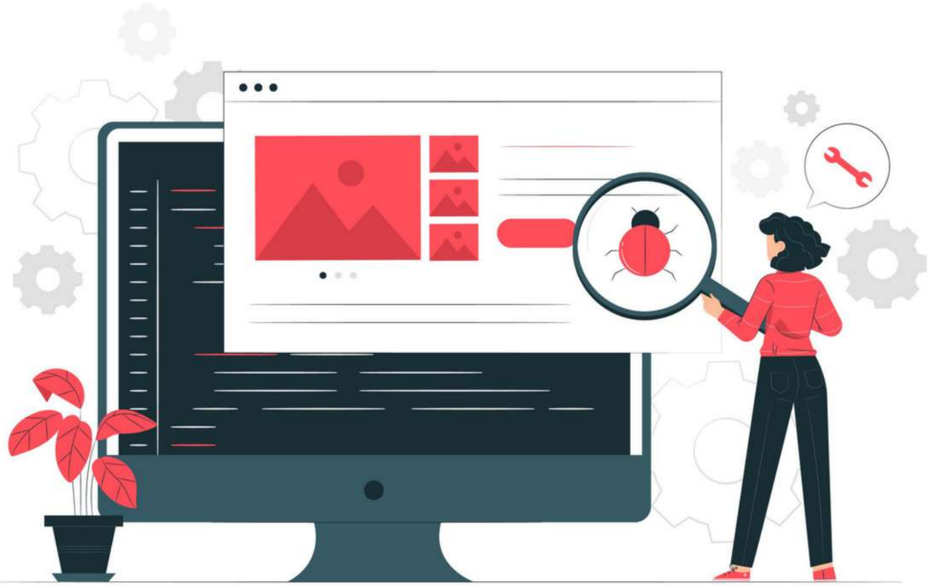
What is Programming?

Give instruction to your computer to perform task



Debugging

A good **programmer** can code well & an **amazing** one can code & **debug** like a pro.



Types of programming

Let's know more about it.

1. **High Level**
   - C, C++, Java, Python, JavaScript
2. **Low Level**
   - Assembly

What we need to know in programming

Let's know more about it.

1. Keywords
2. Variables
3. Operators
4. Conditional Statements
5. Loops
6. Functions
7. Inbuilt Methods
8. Data Types
9. Code Execution Flow

Keywords for variables

Let's know more about it.

1. **Var**
   Old JS
2. **Let**
   ES6
3. **Const**
   ES6

Note: A variable name can starts with a character or _ or $ only. Numbers are not allowed

Valid

```
let a = 10;
let _a = 10
let $a = 10
```

Invalid

```
let 2a = 10
let &a = 20
```

Arithmetic Operators

Let's know more about it.

1. **+**
   Add
2. **-**
   Subtract
3. ***
   Multiply
4. **/**
   Divide
5. **%**
   Modulas

Comparison Operators

Let's know more about it.

1. ==
   Double Equal
2. ===
   Tripple Equal
3. !=
   Not Equal
4. !==
   Not Double equals
5. >
   Greater
5. <
   Less
6. >=
   Greater & Equal
7. <=
   Less than & equals
8. ?
   Ternary Operators

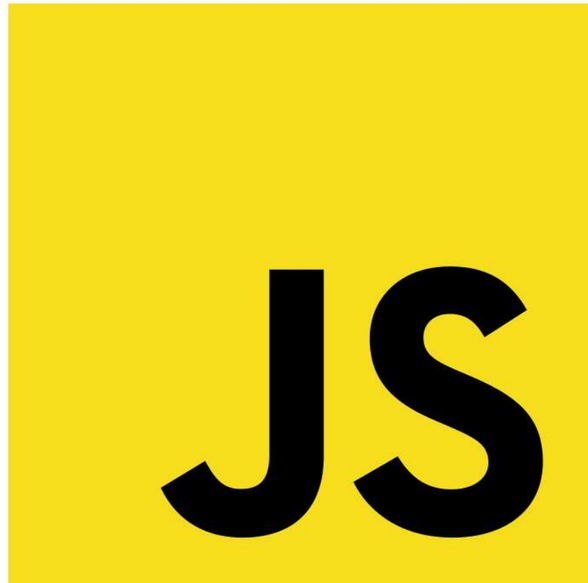
Assignment Operators

Let's know more about it.

1. =
   Equal
2. +=
   Plus
3. -=
   Subtract
4. *=
   Multiply
5. /=
   Divide
5. %=
   Modulas
4. **=
   Power

Functions

It's a technique to reuse the code. Let's see how does it works?



Function

Let's know more about it.

1. **Argument**
   What we pass
2. **Parameters**
   What we accept
3. **Return statement**
   What we return
4. **Default Return**
   Undefined
5. **Break**
   To break the flow
6. **Types**
   Multiple

Thank you!