**1**. What is Java Script?

➳ Java Script is a programming language that is used to convert static web pages to interactive and dynamic web pages.

**2**. what are data types in java script and what are primitive data types?

➳ A data type determines the type of values that can be stored in a variable.

➳ Primitive data types are immutable, which means that their values cannot be changed or modified once they are created.

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| **Primitive Data Types** | **Non- Primitive Data Types** |
| 1. Numbers | 1. Object |
| 2. Strings | 2. Array |
| 3. Booleans | 3. Function |
| 4. Undefined | 4. Date |
| 5. Null | 5. RegExp |

**3**. What is difference between Primitive and Non-Primitive data type?

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| Primitive Data types | Non-Primitive data types |
| 1. Number, String, Boolean, Undefined and Null are primitive data types. | 1. Object, Array, Function, Date, RegExp are the non-primitive data types. |
| 2. Primitive data types can hold only single data value. | 2. non-primitive data types can hold multiple values and methods. |
| 3. Primitive data types are immutable and their values cannot be changed. | 3. non-primitive data types are immutable and their values can be changed. |
| 4. Primitive data types are simple data types. | 4. non-primitive data types are complex data types. |

**4**. What are arrays, functions and objects?

**Arrays**:

* An array is used to store a **collection of values**, such as a list of numbers or list of names.

**Functions**:

* A function is a block of code that performs a **specific task** and returns a value.

**Objects**:

* An object is a non-primitive data type which can hold **multiple values** or a combination of values and functions.

**5.** What isscope in java script?

**Local Scope**: Variables declared inside a function have local scope, which means they can only be accessed with in the function not outside.

**Global Scope:** Variables declared outside any function have global scope, which means they can be accessed from anywhere within the programme.

**6.** What is difference between let, var, const in java script?

**Var**: var creates a function-scoped variable.

**Let**: let creates a block-scoped variable.

**Const**: const can be assigned only once and its value cannot be changed afterwards.

**7.** What is a loop? What are type of loops in java script?

A loop is a programming way to run a set of instructions(code) repeatedly until a certain condition is met.

Java Script Loops

while

for-in

for-of

do-while

for

**8**. What is difference between for, while, do-while loop in java script?

* **For Loop**: for loops allows to iterate a block of code a specific number of times.
* **While Loop**: while loop executes a block of code until a certain condition is true.
* **Do-While Loop**: The do-while loop is similar to while loop, except that the block of code is executed at least once, even if the condition is false.

**9**. What is difference between for..of and for..in loop ?