# Q1 What are the differences between var, let and const?

Var ,let and const is a predefine keyword in JS.it used to in the form of variable. Variable is like a container it is store a value. In JS programming language variable define in three types.

## differences between var, let and const.

The scope of the var keyword is the global or function scope. It means variables defined outside the function can be accessed globally, and variables defined inside a particular function can be accessed within the function.

The scope of a let variable is only block scoped. It can’t be accessible outside the particular block ({block}). Let’s see the below example.

The const  has all the properties that are the same as the [let keyword](https://www.geeksforgeeks.org/javascript-let/), except the user cannot update it.

**Scope**: [block scoped:](https://www.geeksforgeeks.org/javascript-es2015-block-scoping/) When users declare a const variable, they need to initialize it, otherwise, it returns an error. The user cannot update the const variable once it is declared.

## Q2 Difference between undefined vs not defined vs NaN

"undefined" and "not defined" are two different values in JavaScript. "undefined" indicates that a variable has been declared but not given a value, while "not defined" indicates that a variable does not exist.

NaN (Not a Number) the gives the value like \*\*\* let num=40abc and console.log(num) print value but check data types is Nan not a number.

# Q3 What is difference between null and undefined and where to use what?

**Null:** It is the intentional absence of the value. It is one of the primitive values of JavaScript.

**Undefined:** It means the value does not exist in the compiler. It is the global object

Null is the return type of the object but undefined means not defining the value or not fount its return types..

## Q4 What is execution context

When the JavaScript engine scans a script file, it makes an environment called the **Execution Context**that handles the entire transformation and execution of the code.

During the context runtime, the parser parses the source code and allocates memory for the variables and functions. The source code is generated and gets executed.

# Q5 What is use of prompt in JavaScript?

Prompt is predefine function of java Script. it is used to take a input from user. The input is by default String type”….”

# Q6 Why JavaScript is Dynamic Language?

JavaScript is a dynamically typed language, which means that data types of variables are determined by the value they hold at runtime and can change throughout the program as we assign different values to them.