**Module 27**

**Que 1 .Compare var,let and const in java script. When would you use each?**

**Ans:** If we use **const**  then we can not modify later because modification in not allowed in **const** and it provide more readability.

**Var**  is not preferred to use because of block scope and functional scope.

**let**  is used mostly and it allows modification .

**Que 2.What is hoisting in JavaScript? How does it affect var,let and cont?**

**Ans: Hoisting** is feature where a variable and function declaration is moved to top before code execution.

If we use **var** it will be hoisted and initialized with undefined.

If we use **let** or **const** it will be hoisted but not initialized. While executing it will throw error.

**Que 3: Explain JavaScript’s dynamic typing and typeof operator with examples.**

**Ans :** Dynamic typing means it does not require fixed type of variable .

**typeof** operator is use to check the type of variable .eg.string, number,boolean.

**Eg.**  let example1=123;

console.log(typeof example1);

Output: number;

exampl2=789;

console.log(typeof example2);

*Output* string;

**Que 4: How can you manipulate strings in JavaScripts? Provide examples of common methods.**

**Ans :** We can manipulate string in javascript as to change the lower case string to upper case , to check the length of the string , to remove the space , to join two string ,to replace some words in a string .

toUpperCase() ,toLowerCase(), concat(), charAt(),

**Que 5: What are the differences and similarities between null and undefined in JavaScript ?**

**Ans: null** represents the absence of object value. It is used to show null value.

**Undefined** represents that object is present but object type is not defined .

null == undefined // it will give true

null === undefined // it will give false