Data Types (Reference Type)

1. Objects
2. Arrays
3. Functions

Objects – Keyed Collections

```
let student = {
  name: "Smitha",
  age: 30
};
console.log(student.name) // student[“house address”]
console.log(student.age)
Console.log(student)
```

Objects – add / delete properties

Student.iseligible=true

Delete student.iseligible

Console.log(student)

Objects – lookup

```
Marks = {
  “John”:30,
  “Joe”:60
}

name = “John”
Console.log(Marks[name])
```

Array Items

```
let arr = ["Mango", "Orange", "Cherry"];
for (let i = 0; i < arr.length; i++) {
  console.log( arr[i] );
}
```

……

```
let arr = ["Mango", "Orange", "Cherry"];
for (let key in arr) {
  console.log( arr[key] );
}
```

Array Items – foreach, map

```
let fruits = ["apple", "mango", "orange"];
    fruits.forEach((value,index,arr) => {
      console.log(value,index,arr);
    });
let fruits = ["apple", "mango", "orange"];
    fruits.map((value, index, arr) => {
      console.log(value, index, arr);
    });
```

Array Items – filter and find

```
let score = [34, 12, 67, 89, 30];
    let result = score.filter((v) => {
      return v > 40;
    });
    console.log(result);
.....
let empnum = [1003, 1005, 1006, 1034];
    let result = empnum.find((v) => {
      return v == 1003;
    });
    console.log(result);
```

Array Items – reduce method

```
let marks = [40,60,80,40]
    let sum = marks.reduce((total,value)=>{
        return total + value
    })
    console.log(sum)
```