1. For the given JSON iterate over all for loops (for, for in, for of, forEach)

```
var a =
   [{
  "fruit": "Apple",
  "size": "Large",
   "color": "Red"
   },
   "fruit": "Orange",
   "size": "Large",
   "color": "Orange"
   },
   "fruit": "Grapes",
   "size": "Small",
   "color":"Black"
   },
   "fruit":"Cherry",
   "size":"Small",
   "color": "red"
   }];
a. Iterate over for loop
for(i=0;i<a.length;i++)
  console.log(a[i].color);
Output: "Red"
        "Orange"
        "Black"
        "red"
b. Iterate over for in loop
for (x in a)
 console.log(a[x].fruit);
Output:
          "Apple"
           "Orange"
```

```
"Grapes"

"Cherry"
```

c. Iterate over for of loop

JSON files are not iterable. Hence for of loop cannot be used for JSON. But since we use array to enclose the JSON file, we could iterate as if it is an array.

```
for(x of a)
    {
        console.log(x.color);
    }

Output: "Red"

    "Orange"
        "Black"
        "red"
```