JavaScript Class Session: Nested Objects & Looping Through Objects Level: Beginner / Intermediate Duration: 45 minutes Goal: Understand how nested objects work and how to loop through them using for...in, Object.keys(), and Object.entries(). ? Part 1: What Are Nested Objects? A nested object is an object that contains another object as a value of one of its keys. Example: const student = { name: "Dielli", age: 18, grades: { math: 9, english: 8, science: 10 } **}**; You can access nested values using dot notation: console.log(student.grades.math); // 9 ? Part 2: Looping Through Objects for...in Loop

// math, english, science

for (let subject in student.grades) {

console.log(student.grades[subject]); // 9, 8, 10

Object.keys(student.grades).forEach(subject => {

console.log(subject);

}

Object.keys()

```
console.log(subject + ": " + student.grades[subject]);
});
Object.entries()
for (let [subject, grade] of Object.entries(student.grades)) {
 console.log(`${subject}: ${grade}`);
}
??? Example with Nested Object Array
const students = [
 {
  name: "Sara",
  grades: { math: 9, english: 7, science: 8 }
 },
 {
  name: "Rinor",
  grades: { math: 10, english: 9, science: 9 }
 }
];
students.forEach(student => {
 console.log("Student:", student.name);
 for (let subject in student.grades) {
  console.log(` ${subject}: ${student.grades[subject]}`);
 }
});
?? Task for Students
Task: Create an object person with name, age, and a nested object address that includes street,
city, and country.
```

Loop through the address using a method of your choice and log each key and value.
Expected output:
street: Rruga B

country: Kosovo

city: Prishtina