**Question 1:**

You are given an object book with the properties title, author, and yearPublished. Perform the following operations:

1. **Access** the author property and print it.
2. **Modify** the yearPublished property to 2022.
3. **Add** a new property genre to the book object with the value “Fiction”.
4. **Delete** the title property from the book object.

**Question 2:**

You are given an object employee with the properties name, age, position, and salary. Perform the following operations:

1. **Access** the position property and print it.
2. **Modify** the salary property to 50000.
3. **Add** a new property department to the employee object with the value “HR”.
4. **Delete** the age property from the employee object.

**Question 3:**

You are given an object product with the properties id, name, price, and category. Perform the following operations:

1. **Access** the price property and print it.
2. **Modify** the category property to “Electronics”.
3. **Add** a new property inStock to the product object with the value true.
4. **Delete** the id property from the product object.

**Question 4:**

You are given an object car with the properties make, model, year, and color. Perform the following operations:

1. **Access** the make property and print it.
2. **Modify** the color property to “Black”.
3. **Add** a new property engineType to the car object with the value “V6”.
4. **Delete** the year property from the car object.

**Question 5:**

You are given an object student with the properties name, age, grade, and school. Perform the following operations:

1. **Access** the school property and print it.
2. **Modify** the grade property to 95.
3. **Add** a new property hobbies to the student object with the value ["reading", "sports"].
4. **Delete** the age property from the student object.

**Question 6:**

You are given an object user with the following structure:

const user = {  
 username: "john\_doe",  
 profile: {  
 firstName: "John",  
 lastName: "Doe",  
 age: 28,  
 address: {  
 street: "456 Elm St",  
 city: "Gotham",  
 zip: "54321"  
 }  
 },  
 preferences: {  
 theme: "dark",  
 notifications: true  
 }  
};

Perform the following operations:

1. **Access** the city property from the address object and print it.
2. **Modify** the theme property in the preferences object to “light”.
3. **Add** a new property phone to the profile object with the value “555-9876”.
4. **Delete** the zip property from the address object.

**Question 7:**

You are given an object company with the following structure:

const company = {  
 name: "Tech Solutions",  
 employees: [  
 {  
 name: "Alice",  
 position: "Developer",  
 contact: {  
 email: "alice@tech.com",  
 phone: "555-2345"  
 }  
 },  
 {  
 name: "Bob",  
 position: "Manager",  
 contact: {  
 email: "bob@tech.com",  
 phone: "555-6789"  
 }  
 }  
 ],  
 location: "New York"  
};

Perform the following operations:

1. **Access** the email of the second employee (Bob) and print it.
2. **Modify** the phone number of Alice to “555-1111”.
3. **Add** a new property department with the value “Engineering” to the first employee (Alice).
4. **Delete** the location property from the company object.