Assignment No 06:

Create a JavaScript object representing a user with properties for name, email, and age. Write functions that manipulate this object, such as changing the name, updating the email, and calculating the user's birth year.

JavaScript Code: -

```javascript
// Create a user object
const user = {
    name: "John Doe",
    email: "john.doe@example.com",
    age: 30,
};

// Function to change the user's name
function changeName(newName) {
  user.name = newName;
}

// Function to update the user's email
function updateEmail(newEmail) {
  user.email = newEmail;
}

// Function to calculate the user's birth year (assuming current year is known)
function calculateBirthYear(currentYear) {
  return currentYear - user.age;
}

// Example usage
changeName("Jane Smith");
updateEmail("jane.smith@example.com");
const birthYear = calculateBirthYear(2024); // Assuming current year is 2024

console.log("User:", user); // Output: User: { name: "Jane Smith", email: "jane.smith@example.com", age: 30 }
console.log("Birth Year:", birthYear); // Output: Birth Year: 1994
```

Output: -

User: { name: 'Jane Smith', email: 'jane.smith@example.com', age: 30 }

Birth Year: 1994