

■ JavaScript Assignment (Chapters 1–18)

1. Ask the user to enter their age. If the age is less than 13, display 'Child'; if between 13 and 19, display 'Teenager'; otherwise display 'Adult'.
2. Write a program that asks the user to enter a number. If the number is divisible by both 2 and 3, show 'Divisible by both'. Otherwise, show 'Not divisible by both'.
3. Create a program that asks the user for a password. If it matches 'saylani123', show 'Access Granted', otherwise show 'Access Denied'.
4. Ask the user to enter two numbers. Display the larger number using an if...else statement.
5. Create an array of 5 colors. Display the first and last color from the array in an alert.
6. Make an array of fruits with 3 items. Add one more fruit at the end using .push() and show the new array in console.
7. Write a program that removes the first element of an array of city names and then prints the updated array.
8. Create an array of numbers [10, 20, 30, 40, 50]. Use .splice() to remove the middle number (30) and display the array.
9. Make an array [100, 200, 300, 400, 500]. Use .slice(1, 4) and show the result in the console.
10. Ask the user to enter 3 subjects' marks. Store them in an array. Calculate the total and average using array values and display it.
11. Write a program that asks the user for a month number (1–12). Use if...else if statements to display the season ('Winter', 'Spring', 'Summer', 'Autumn').
12. Create a loop that prints all even numbers from 2 to 20 in the console.
13. Use a for loop to display each element of the array ['Ali', 'Sara', 'Ahmed', 'Ayesha'].
14. Write a program that asks the user to enter a number and then displays its multiplication table using a loop (up to 10).
15. Create an array [2, 4, 6, 8, 10]. Use a for loop to calculate the sum of all numbers and print it.
16. Ask the user to enter a name. If the name is 'Alice' or 'Bob', show 'Welcome!'. Otherwise, show 'You are not authorized.'.
17. Write a program that uses nested if statements to check if a number is positive and also even. If both are true, display 'Positive Even'. If only positive, display 'Positive Odd'. Otherwise show 'Negative number'.
18. Create an array ['Apple', 'Banana', 'Cherry', 'Date', 'Elderberry']. Use .splice() to insert 'Mango' at the 2nd index and show the new array.