

Experiment 7

7. Program on PHP control statements.

1. Basic Conditionals:

- a. Checks if age is 18 or above, then prints "You are an adult".
- b. Checks if age is 21 or above; prints if the user can drink in the US.

2. Grading System:

- a. Evaluates the score and assigns a grade (A, B, C, or F) using if-elseif statements.

3. Nested If for User Role:

- a. Checks if a user is logged in and if they are an admin, displaying "Welcome Admin" or "Welcome User" accordingly.

4. Switch Statement for Day of Week:

- a. Outputs the day of the week based on a numeric value (dayOfWeek), handles weekends as a case group, and defaults to "Invalid day".

5. Loops:

- a. while loop increments counter and displays it until 5.
- b. do-while loop increments and displays a number until 3.
- c. for loop runs 5 times, printing iteration numbers.
- d. Nested for loops print pairs of values.
- e. foreach loop prints fruits and iterates over a person's details.

6. Control Flow (break/continue):

- a. for loop breaks at 5, printing numbers up to 4.
- b. for loop skips the number 3 using continue, printing 1, 2, 4, 5.

7. Match Expression:

- a. Evaluates HTTP status code and assigns a message.

8. Null Coalescing and Ternary Operator:

- a. Uses ?? to set a default display name if username is null.
- b. Uses the ternary operator to check voting eligibility.

9. Exception Handling:

- a. Catches division by zero error and displays an error message, followed by finally block execution.

10. PHP Alternative Syntax:

- a. Uses <?php if...endif; ?> and <?php foreach...endforeach; ?> to simplify control structure syntax inside HTML.

This code demonstrates PHP control structures, loops, and exception handling with practical use cases.

Output:

