

Control Structures

if/else Statements

1. Movie Rating Check:

- Given a variable `movieRating` (type: number), write an if-else statement that checks if `movieRating` is greater than 7. Log "Highly rated movie" if true, and "This movie has room for improvement" otherwise.

2. Movie Budget Range Check:

- Given a variable `movieBudget` (type: number), write an if-else statement that checks if `movieBudget` is between \$1 million and \$100 million, inclusive. Log "Big-budget movie" if it is, otherwise log "Indie movie".
-

3. Nested If-Else for Movie Genre and Audience:

- Given two variables, `movieGenre` (string) and `audienceAge` (number), create a nested if-else statement to determine if the movie is suitable for the audience based on the genre and the viewer's age.
- If the `movieGenre` is "Horror" and the `audienceAge` is 18 or older, log "Suitable for the audience". If the `movieGenre` is "Horror" but the `audienceAge` is under 18, log "Not suitable for the audience". For any other `movieGenre`, log "Suitable for all audience".

4. Comparing Movie Duration:

- Compare two variables, `firstMovieDuration` (type: number) and `secondMovieDuration` (type: number), using an if-else statement. Log "Movies have the same duration" if they're the same, "The first movie is longer" if the first movie's duration is longer.

5. Check Viewer Age for Movie Content:

- Given a variable `viewerAge` (type: number), use logical operators in an if-else statement to determine if the viewer is in an age group suitable for the movie content.
- If the `viewerAge` is between 13 and 18 (inclusive), log "Suitable for teens". If the `viewerAge` is above 18, log "Suitable for adults". Otherwise, log "Suitable for kids".

6. Movie Popularity Score Evaluation with Ternary Operator:

- Use the ternary operator for a variable `popularityScore` (type: number) to check if the score is greater than or equal to 80. Log "Popular movie" if true, and "Less known movie" otherwise.

7. Check Number of Awards (Even or Odd) with Ternary Operator:

- Use the ternary operator to check if a variable `numOfAwards` (type: number) is even or odd. Log "Even number of awards" if it's even, and "Odd number of awards" otherwise.

8. Actor Age Group Classification:

- Use the ternary operator to classify an actor's age variable `actorAge` (type: number) into "Child Actor" (less than 14), "Young Actor" (between 14 and 24), or "Adult Actor" (25 and above).

9. Access Control to a Premiere Event:

- Use the ternary operator with a variable `hasInvitation` (type: boolean) to log "Welcome to the premiere" if true, and "Please check your invitation" otherwise.

10. Movie Screening Duration Category:

- Given a variable `screeningDuration` (type: number, representing minutes), write an if-else statement that categorizes screenings as 'Short film' (less than 40 minutes), 'Feature film' (40 to 120 minutes), or 'Epic length movie' (more than 120 minutes).

11. Special Movie Screening on Weekends:

- Given a variable `dayOfWeek` (type: string), write an if-else statement to check for special screenings on weekends. Log 'Special screening event!' for 'Saturday' or 'Sunday', otherwise 'Regular movie showtimes'.

12. Check Movie Release Year:

- Given a variable `releaseYear` representing the release year of a movie, write an if-else statement to determine if the movie was released in the 21st century. Log "21st century movie" if the release year is from 2001 to 2100, inclusive. Otherwise, log "20th century movie".
- Example input: `releaseYear = 2005`

13. Check Movie Genre and Rating:

- Given two variables, `movieGenre` representing the genre of a movie and `movieRating` representing its rating, create an if-else statement to assess whether a movie is worth watching. If the `movieGenre` is "Action" and the `movieRating` is greater than or equal to 7, log "Must Watch". For any other combination, log "Check reviews before watching".
- Example inputs: `movieGenre = "Action"`, `movieRating = 8`

14. Evaluate Movie Ticket Price:

- Given a variable `ticketPrice` representing the cost of a movie ticket, write an if-else statement to determine if it's a discounted ticket. Log "Discounted ticket" if the ticket price is less than or equal to \$10, otherwise log "Regular ticket price".
- Example input: `ticketPrice = 12`

15. Check Movie Age Restriction:

- Given a variable `age` representing the age of a viewer, and a variable `isAdult` representing whether the movie is suitable for adults only, write an if-else statement to check if the viewer meets the age restriction criteria. Log "Allowed to watch" if the

viewer is above 18 years old or if the movie is suitable for all ages,
otherwise log "Age-restricted content".

- Example inputs: age = 22, isAdult = true

16. **Determine if Movie is a Sequel:**

- Given a variable `movieTitle` containing the title of a movie, write an if-else statement to determine if the movie is a sequel. Log "This movie is a sequel" if it contains the number "2" in the title or the word "part", otherwise log "This movie is not a sequel".
- Example input: `movieTitle = "Spider-Man 2"`