

Next 5 activities must be resolved using regular expressions.

1. Email Validation

Write a function that validates whether a given string is a valid email address. The email should follow the format "user@domain.extension" and can include letters, numbers, periods, and dashes.

2. Extract Numbers from a String

Write a function that takes a string and returns an array of all the numbers present in that string. The numbers can be integers or decimals.

3. Password Validation

Write a function that validates whether a password meets the following criteria: at least 8 characters long, at least one uppercase letter, one lowercase letter, one number, and one special character such as @, #, or \$.

4. Remove Non-Alphabetic Characters

Write a function that removes all non-alphabetic characters from a string, leaving only letters from 'a' to 'z' (both uppercase and lowercase).

5. Verify Date Format (DD/MM/YYYY)

Write a function that verifies whether a given string matches the date format "DD/MM/YYYY". Ensure the range of days (01-31) and months (01-12) is correct.