1. The password must be at least 8 characters long.

2. The password must contain at least one numeric digit.

3. The password must contain at least one special character from the set {!@#$%^&\*(),.?":{}|<>`}.

4. The password must meet all the above requirements to be considered valid.

5. The validation functions should return a boolean valid status and a message string.

6. The test code should validate sample passwords by calling the validation functions.

7. The test code should print the valid status and message for each validated password.