

ALGORITHM FOR PASSWORD GENERATOR

1. **User Input:** Prompt the user to input the desired length and complexity of the password.
2. **Generate Password Function:** Create a function that generates a random password based on the user's input.
3. **Error Handling:** Implement error handling to deal with invalid input from the user.
4. **Display Passwords:** Display the generated passwords in a user-friendly format.
5. **Copy to Clipboard:** Provide an option to copy the generated password to the clipboard.
6. **Utilize Functions:** Organize the code into functions for better reusability.
7. **Documentation:** Document the code and algorithm for clarity.