import java.util.Scanner;

public class Main

{

public static void main(String[] args)

{

int passwordLength=8, upChars=0, lowChars=0;

int special=0, digits=0;

char ch;

Scanner s = new Scanner(System.in);

System.out.println("----Direction to Create a Password----");

System.out.println("1. The Password must be at least 8 characters long.");

System.out.println("2. The Password must contain at least one uppercase character.");

System.out.println("3. The Password must contain at least one lowercase character.");

System.out.println("4. The Password must contain at least one digit (0-9).");

System.out.println("5. The Password must contain at least one special characters.");

System.out.println("6. The Password must not contain < or >.");

System.out.print("\nCreate a Password: ");

String password = s.nextLine();

int total = password.length();

if(total<passwordLength)

{

System.out.println("\nThe Password's Length has to be of 8 characters or more.");

return;

}

else

{

for(int i=0; i<total; i++)

{

ch = password.charAt(i);

if(Character.isUpperCase(ch))

upChars++;

else if(Character.isLowerCase(ch))

lowChars++;

else if(Character.isDigit(ch))

digits++;

else

{

if(ch=='<' || ch=='>')

{

System.out.println("\nThe Password is Malicious!");

return;

}

else

special++;

}

}

}

if(upChars!=0 && lowChars!=0 && digits!=0 && special!=0)

{

if(total>=12)

{

System.out.println("\nThe Strength of Password is Strong.");

}

else

{

System.out.println("\nThe Strength of Password is Medium.");

}

System.out.println("\n----The Password Contains----");

System.out.println("UpperCase Character: " +upChars);

System.out.println("LowerCase Character: " +lowChars);

System.out.println("Digit: " +digits);

System.out.println("Special Character: " +special);

}

else

{

if(upChars==0)

System.out.println("\nThe Password must contain at least one uppercase character.");

if(lowChars==0)

System.out.println("\nThe Password must contain at least one lowercase character.");

if(digits==0)

System.out.println("\nThe Password must contain at least one digit.");

if(special==0)

System.out.println("\nThe Password must contain at least one special character.");

}

}

}



