Mini Project Password Strength Indicator

```java
import java.util.Scanner;

public class PasswordIndicator {
    int upChars = 0, lowChars = 0, digits = 0, special = 0;

    void meth1(String password) {
        int total = password.length();
        for (int i = 0; i < total; i++) {
            char ch = password.charAt(i);

            if (Character.isUpperCase(ch))
                upChars = 1;
            else if (Character.isLowerCase(ch))
                lowChars = 1;
            else if (Character.isDigit(ch))
                digits = 1;
            else
                special = 1;
        }

        if (total >= 8 && (upChars == 1 && lowChars == 1 &&
digits == 1 && special == 1))
            System.out.println("Strong password");
        else if (total >= 6 && total <= 8 && (upChars == 1 &&
lowChars == 1 && digits == 1 && special == 1))
            System.out.println("Medium password");
        else if (total >= 5 && (upChars == 1 && lowChars == 1 &&
digits == 1 && special == 1))
            System.out.println("Weak password");
        else
        {
            System.out.println("Invalid password");
            System.out.println();
            System.out.println("please follow the following
instruction");
            System.out.println("------------------------------
---");
            System.out.println("password must be 8 character or
greater than 8.");
            System.out.println("Please Enter atleast one
upperCase(A-Z),");
            System.out.println("one lowerCase(a-z),");
            System.out.println("one digit(0123456789),");
```

```java
            System.out.println("one special
Character(@#$%^&*()?)~></");
        }
    }

    public static void main(String[] args) {
        Scanner scr = new Scanner(System.in);
        PasswordIndicator aobj = new PasswordIndicator();
        System.out.println("Welcome to vaultofCodes");
        System.out.println();
        System.out.println("Enter password");
        String password = scr.nextLine();
        aobj.meth1(password);
    }
}
```

OUTPUT

1. FOR CORRECT OUTPUT

```
Welcome to vaultofCodes

Enter password
Amit@1234
Strong password
```

2.FOR WRONG OUTPUT

```
Welcome to vaultofCodes

Enter password
amit123
Invalid password

please follow the following instruction
------------------------------------
password must be 8 character or greater than 8.
Please Enter atleast one upperCase(A-Z),
one lowerCase(a-z),
one digit(0123456789),
one special Character(@#$%^&*()?)~></)
```