

FULL STACK DEVELOPMENT

Password Generator Project

```
package com.java.passwordvalidation;

import java.util.Random;
import java.util.Scanner;

public class RandomStringPassword {
    public static void main(String[] args) {
        String upper="ABCDEFGHIJKLMNOPQRSTUVWXYZ";
        String Lower="abcdefghijklmnopqrstuvwxyz";
        String num="012345678910";
        String specialChars="<>,.?/[ ]{}+~*%#@#!()=''";
        String combination= upper+Lower+specialChars+num;
        Scanner s= new Scanner(System.in);
        System.out.println("Enter the length for password:");
        int len=s.nextInt();

        char[] password=new char[len];
        Random r=new Random();

        for(int i=0; i<len; i++) {

            password[i]=combination.charAt(r.nextInt(combination.length()));
        }
        System.out.println("Generated Password is:" +new String(password));
        if(password.length<8) {
            System.out.println("weak password");
        }
        if( password.length<16 && password.length>=8) {
            System.out.println("Good password");
        }
        else if (password.length>=16){
            System.out.println("strong password");
        }
    }
}
```

Output:

1.Enter the length for password:

7

Generated Password is:Rd[y%A6

weak password

2. Enter the length for password:

10

Generated Password is:Uc8{<gExQ6

Good password

3. Enter the length for password:

16

Generated Password is:n0Ylg3(e]>bgW58*
strong password

4. Enter the length for password:

15

Generated Password is:Pai)PA]5rkzosH5
Good password