**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