

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

```
public class pro_2 {
    private int length;
    private String characters;
```

```
    public pro_2(int length, String
characters) {
        this.length = length;
        this.characters = characters;
    }
```

```
    public String generatePassword() {
        Random rand = new Random();
        StringBuilder password = new
StringBuilder();
        for (int i = 0; i < length; i++) {
```

```
password.append(characters.charAt(rand.nextInt(characters.length())));  
    }  
    return password.toString();  
}
```

```
public static void main(String[] args)  
{  
    Scanner scanner = new  
Scanner(System.in);  
    System.out.print("Enter password  
length: ");  
    int length = scanner.nextInt();  
    scanner.nextLine(); // consume the  
newline character  
    System.out.print("Enter character  
set: ");  
    String characters =
```

```
scanner.nextLine();
    pro_2 pg = new pro_2(length,
characters);
    String password =
pg.generatePassword();
    System.out.println("Password - " +
password);
}
}
```