import java.util.Random;

public class Tester{

   public static void main(String[] args) {

      System.out.println(generatePassword(8));

   }

   private static char[] generatePassword(int length) {

      String capitalCaseLetters = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";

      String lowerCaseLetters = "abcdefghijklmnopqrstuvwxyz";

      String specialCharacters = "!@#$";

      String numbers = "1234567890";

      String combinedChars = capitalCaseLetters + lowerCaseLetters + specialCharacters + numbers;

      Random random = new Random();

      char[] password = new char[length];

      password[0] = lowerCaseLetters.charAt(random.nextInt(lowerCaseLetters.length()));

      password[1] = capitalCaseLetters.charAt(random.nextInt(capitalCaseLetters.length()));

      password[2] = specialCharacters.charAt(random.nextInt(specialCharacters.length()));

      password[3] = numbers.charAt(random.nextInt(numbers.length()));

      for(int i = 4; i< length ; i++) {

         password[i] = combinedChars.charAt(random.nextInt(combinedChars.length()));

      }

      return password;

   }

}