**We are given 3 strings: str1, str2, and str3. Str3 is said to be a shuffle of str1 and str2 if it can be formed by interleaving the characters of str1 and str2 in a way that maintains the left to right ordering of the characters from each string**

**package** pblms;

**import** java.util.\*;

**public** **class** Pro2

{

**public** **static** **void** main(String[] args)

{

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter the String1 : ");

String str1=s.next();

System.***out***.println("Enter the String2 : ");

String str2=s.next();

System.***out***.println("Enter the String3 : ");

String str3=s.next();

**int** j=0,k=0,l=0;

**for**(**int** i=0;i<str3.length();i++)

{

**if**(j<str1.length() && str3.charAt(i)==str1.charAt(j))

{

j++;

l++;

}

**else** **if**(k<str2.length() && str3.charAt(i)==str2.charAt(k))

{

k++;

l++;

}

**else**

{

**break**;

}

}

**if**(j==str1.length() && k==str2.length() && l==str3.length())

{

System.***out***.println("Valid Shuffle");

}

**else**

{

System.***out***.println("Invalid Shuffle");

}

}

}

**Output:**

