**Experiment 6:**

package prac6;

import java.util.\* ;

/\*\*

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public class Prac6 {

public static void main(String[] args) {

String pattern,text ;

Scanner sc=new Scanner(System.in) ;

System.out.println("Enter the Pattern with gap Characters: ");

//pattern="ab@ba@c" ;

pattern=sc.next();

System.out.println("Enter the Test: ");

//text="cabccbacbacab" ;

text=sc.next();

String gaps[]=pattern.split("@") ;

int i,k=0 , flag=0;

String match ;

for(i=0;i<gaps.length;i++)

{

while(true)

{

if(k+gaps[i].length()>text.length())

{

flag=1 ;

break ;

}

match=text.substring(k, k+gaps[i].length()) ;

if(gaps[i].compareTo(match)==0)

{

System.out.println(gaps[i]+" is present at index : "+k);

k+=gaps[i].length() ;

break ;

}

k++ ;

}

if(flag==1)

break ;

}

if(flag==1)

System.out.println("\nNo occurence of the pattern is presemt in text :( ");

else

System.out.println("\nOccurence of the pattern is presemt in text :) ");

}

}

**OUTPUT :**

Enter the Pattern with gap Characters: ab@ba@c

Enter the Test: cabccbacbacab

ab is present at index : 1

ba is present at index : 5

c is present at index : 7

Occurrence of the pattern is present in text :)

**OUTPUT 2:**

Enter the Pattern with gap Characters: ab@ba@c

Enter the Test: efghijklmn

No occurrence of the pattern is present in text :(