https://course.acciojob.com/idle?question=b43e9f80-51e5-49c1-ab4c-72a52e0207ab

- EASY
- Max Score: 30 Points

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You are given a string `str` of length `N` and a string `pat` of length `M`. Your task is to find the starting index of all the occurrences of `pat` in `str`. You need to return a list of integers that denote the indices from which `pat` is present in `str`(consider 0 based indexing).

For example:

Let `str= AABAACAADAABAABA`

And `pat= AABA`

We will return the array/list `[0,9,12]` as we can clearly see that from indices `0` `9` and `12` we have the same pattern `pat` in `str`

Note:

1. **`str` and `pat` will consist of only uppercase English letters.**
2. **Two occurrences of a pattern may overlap with each other. For example, for `str = AAAA` and `pat = AA`, you need to return `[0,1,2]` and not `[0,2]`.**
3. **If there is no occuurence of `pat` in `str` then print `-1`.**

Input Format:

The first line contains the string `str`.

The second line contains the string `pat`

Output Format:

Print all the indices at which pat occurs in `str` seprated by space in as single line and print `-1` if there is no such occurence.

Example 1:

Input:

```
CODINGCODE
COD
```

Output:

```
0 6
```

Explanation:

The string `str` is `CODINGCODE` and the pattern is `COD`. We can see that the pattern matches in the string at indices `0` and `6` so we return an array with `[0,6]`.

Example 2:

Input:

```
CODINGKING
CODE
```

Output:

```
-1
```

Explanation:

String `CODE` does not lie in the pattern `CODINGKING`. so will return the array `-1`

Constraints:

```
1 <= M <= N <= 100000
```

All characters are upper case Latin letters.

Topic Tags

- Math

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
	public static void main (String[] args) throws
java.lang.Exception
	{
		//your code here
	Scanner s=new Scanner(System.in);
	String s1=s.next();
	String s2=s.next();
	int n=s1.length();
	   int m=s2.length();
	int c=-1;
	for(int i=0;i<=n-m;i++)
	  {
	   String  str=s1.substring(i,i+m);
	    if(str.equals(s2)) {System.out.print(i+" ");c++;}
	  //System.out.print(str+" ");
	  }
	if(c==-1) System.out.print(c);
	  }
```

```
}
```