ROTATE A STRING BY K POSITION

PROGRAM(java):

```java
import java.util.*;
class main{
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        String str=sc.next();
        int k=sc.nextInt();
        int l=str.length();
        k=k%l;
        String rot="";
        for(int x=0;x<l;x++){
            int r=(x+k)%l;
            rot+=str.charAt(r);
        }
        System.out.println("Input: "+str);
        System.out.println("Rotated by position: "+k + " "+rot);
    }
}
```

OUTPUTS: INPUT 1: **String=abcde ,k=2**

```
C:\Users\Admin>cd downloads

C:\Users\Admin\Downloads>javac main.java

C:\Users\Admin\Downloads>java main
abcde
2
Input: abcde
Rotated by position: 2 cdeab
```

INPUT 2: **String=hema,k=3**

```
C:\Users\Admin\Downloads>java main
hema
3
Input: hema
Rotated by position: 3 ahem
```

INPUT 3:**String=helloworld,k=5**

```
C:\Users\Admin\Downloads>java main
helloworld
5
Input: helloworld
Rotated by position: 5 worldhello
```

INPUT 4: **String=hashagiletechnology,k=10**

```
C:\Users\Admin\Downloads>java main
hashagiletechnology
10
Input: hashagiletechnology
Rotated by position: 10 echnologyhashagilet
```