

Practical - 2

Aim: Write a program to check whether the given code is prefix or not.

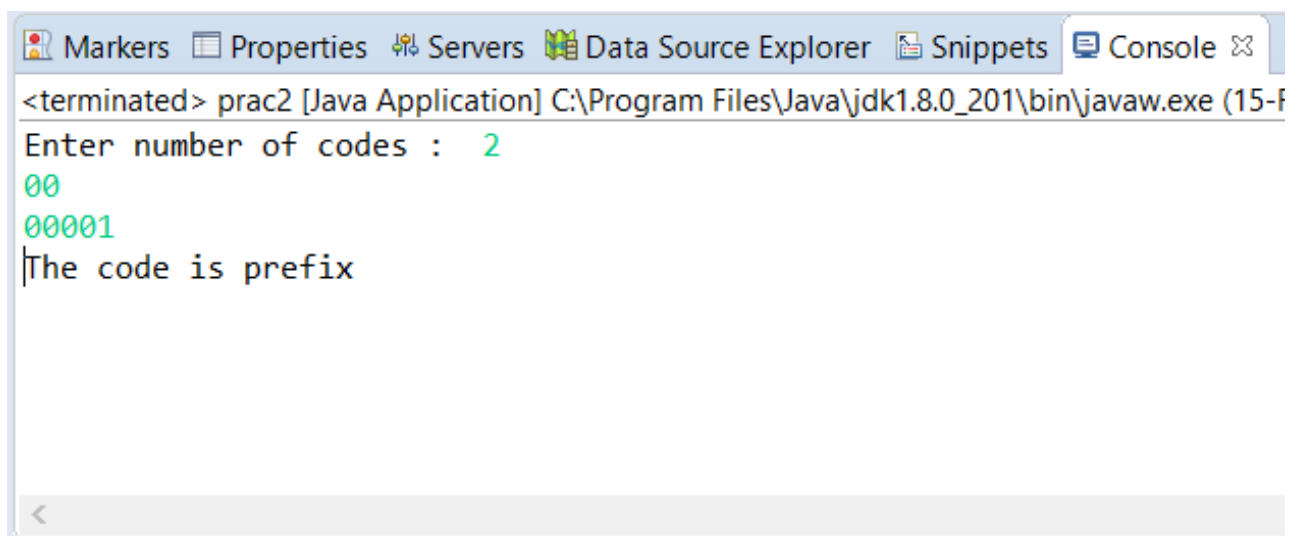
PROGRAM :

```
import java.util.*;

import java.io.*;

class prefix{
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        String arrset[]=new String[10];
        int arrlen[]=new int[10];
        int i,flag=0;
        System.out.println("how many codes you wanna enter??");
        int n=sc.nextInt();
        String[][] ans=new String[100][100];
        for(i=0;i<=n;i++){
            arrset[i]=sc.nextLine();
        }
        for(i=1;i<=n;i++){
            arrlen[i]=arrset[i].length();
        }
        String dang;
        for(i=1;i<=n;i++){
            for(int j=i;j<n;j++){
                int le=arrlen[i];
                ans[i][j]=arrset[j+1].substring(0,le);
                if(ans[i][j].equals(arrset[i])){
                    flag=1;
                }
            }
        }
    }
}
```

```
        }  
    }  
    if(flag==1)  
        System.out.println("the code is prefix");  
    else  
        System.out.println("not prefix");  
}  
}
```

OUTPUT :

```
<terminated> prac2 [Java Application] C:\Program Files\Java\jdk1.8.0_201\bin\javaw.exe (15-f  
Enter number of codes : 2  
00  
00001  
The code is prefix
```