



TCS Coding Question 4 | One programming language has the following keywords that ...

Problem Statement (Word is Key)

One programming language has the following keywords that cannot be used as identifiers:

break, case, continue, default, defer, else, for, func, goto, if, map, range, return, struct, type, var

Write a program to find if the given word is a keyword or not

Test cases

Case 1

- Input – defer
- Expected Output – defer is a keyword

Case 2

- Input – While
- Expected Output – while is not a keyword



Solution

C Program

```
#include<stdio.h>
#include<string.h>
```

```

int main(){

    char str[16][10] = {"break", "case", "continue", "default", "defer", "else","for",
    "func", "goto", "if", "map", "range", "return", "struct", "type", "var"};

    char input[20];

    int flag = 0;
    scanf("%s",input);

    for(int i = 0; i<16;i++){
        if(strcmp(input,str[i]) == 0){
            flag = 1;
            break;
        }
    }

    if(flag==1){
        printf("%s is a keyword",input);
    }
    else{
        printf("%s is not a keyword",input);
    }
    return 0;
}

```

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```

import java.util.*;
public class Main
{
    public static void main(String[] args) {
        String[] s=new String[]
{"break","case","continue","default","defer","else","for","func","goto","if","map","range","return","struct","ty
        List<String> l=Arrays.asList(s);
        Scanner sin=new Scanner(System.in);
        String s1=sin.nextLine();
        if(l.contains(s1))
            System.out.println(s1+" is a keyword");
        else
            System.out.println(s1+" is not a keyword");
    }
}

asd

```

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```
Book import java.util.*; public class QuestionFour { public static void main(String args[]){
Scanner reader = new Scanner(System.in);
HashSet keyWords= new HashSet();
String str[]={ "break", "case", "continue", "default", "defer", "else", "for", "func", "goto",
"if", "map", "range", "return", "struct", "type", "var"};
for(String a:str){
keyWords.add(a);
}
String check = reader.nextLine();
if(keyWords.contains(check)){
System.out.println("Keyword");
}else{
System.out.println("not a keyword");
}
reader.close();
}
}
```

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```
Debasmita import java.util.*; class Keyword {
public static void main(String args[]){
HashMap input = new HashMap ();
input.put("break", "Keyword");
input.put("case", "Keyword");
input.put("continue", "Keyword");
input.put("else", "dKeywor");
input.put("default", "Keyword");
input.put("defer", "Keyword");
input.put("for", "Keyword");
input.put("func", "Keyword");
input.put("goto", "Keyword");
input.put("if", "Keyword");
input.put("map", "Keyword");
input.put("range", "Keyword");
input.put("return", "Keyword");
input.put("struct", "Keyword");
input.put("type", "Keyword");
input.put("var", "Keyword"); String str = new Scanner(System.in).nextLine(); if((input.get(str)) ==
"Keyword")
{
System.out.println("Keyword");
}
else
System.out.println("Not a Keyword"); }
}
//Code in java Using Hashmap
```

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mekala my python code

```
l1=[ "break","case","continue","default","defer","else","for","func","goto","if","map","range","return","struct","type","word=input()
if word in l1:
print(word,"is a keyword")
else:
pass
```

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Jatin public class Main {

```
public static void main(String args[]) {
String str = "var" ;
String[] str1 = new String[]{"break", "case", "continue", "default", "defer", "else", "for", "func", "goto",
"if", "map", "range", "return", "struct", "type", "var"}; for(int i = 0 ;i<str1.length ;i++){
if(str1[i] == str){
System.out.print(str + " " + "is a keyword");
return ;
}} System.out.print(str + " " + "is not a keyword"); }
}
```

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Arun #java string matches example

```
public static void main(String[] args) {
Scanner scan = new Scanner(System.in);
String text = scan.nextLine();
String val[] = {"break", "case", "continue", "default", "defer", "else",
"for", "func", "goto", "if", "map", "range", "return", "struct", "type", "var"};
for(String s : val){
if(text.matches(s)){
System.out.println(text+" is a keyword");
return;}
}
System.out.println(text+" is not a keyword");
}
```

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MCE-EEE- import java.util.*;

```
class Main{
public static void main(String args[])
{
Scanner sc=new Scanner(System.in);
int flog=0;
String input=sc.nextLine();
String a[]={ "break", "case", "continue", "default", "defer", "else","for", "func", "goto",
"if", "map", "range", "return", "struct", "type", "var"};
for(int i=0;i<a.length;i++){
if(a[i].equals(a)){
flog=1;}
}System.out.println(flog==1?a+" is a keyword":" is not a keyword");
}}
```

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Yuvraj import keyword

```
print('"' .join(["Its a keyword" if input() in keyword.kwlist else "No dude its not a keyword"]]))
```

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subhojit # Simple Python Code import keyword

```
k=input()
if k in keyword.kwlist:
print("{} is a keyword".format(k))
else:
print("{} is not a keyword".format(k))
```

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Satya Sai Srija lis=['break', 'case', 'continue', 'default', 'defer', 'else', 'for', 'func', 'goto', 'if', 'map', 'range', 'return', 'struct', 'type', 'var']

```
key=input()
if key in lis:
print(key,"is a keyword")
else:
print(key,'is not a keyword')
```

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