

'''A program to output each word of a string on a separate line. Draw a diagram of the variable stringValue and work through the program to understand how it works'''

```
stringValue = "abc def ghij"  # Any string
```

```
print ("The string outputted one word at a time is:")
```

```
while True:      # Will loop until a break command is called
```

```
    space = str.find (stringValue, " ")  # Finds the position of a space
```

```
    if space == -1:  # Exits the loop when no more spaces are found
```

```
        break
```

```
    subString = stringValue [0 : space]  # The substring of the word between the  
                                         # beginning and one before the space
```

```
    print (subString)      # Outputs the single word
```

```
    stringValue = stringValue [ space + 1: ]  # Re-creates the string by "deleting"  
                                              # the substring from the string to start  
                                              # over.
```

```
print (stringValue)      # Outputs the last substring
```