

### **PROGRAM 1:**

Count the occurrences of each word in a line of text.

### **PROGRAMCODE:**

A screenshot of a Python IDE window titled 'readword.py - C:\Users\ACER\Documents\1st sem lab\readword.py (3.9.6)'. The window has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code is as follows:

```
line = input("Enter a Line: ")
count = {}
sentence = line.split()
for word in sentence:
    if word in count:
        count[word] += 1
    else:
        count[word] = 1
for k, v in count.items():
    print(k, v)
```

The window is open on a Windows desktop with a taskbar at the bottom showing icons for the Start menu, File Explorer, Microsoft Edge, Mail, Teams, and Word. A search bar is visible on the left side of the taskbar.

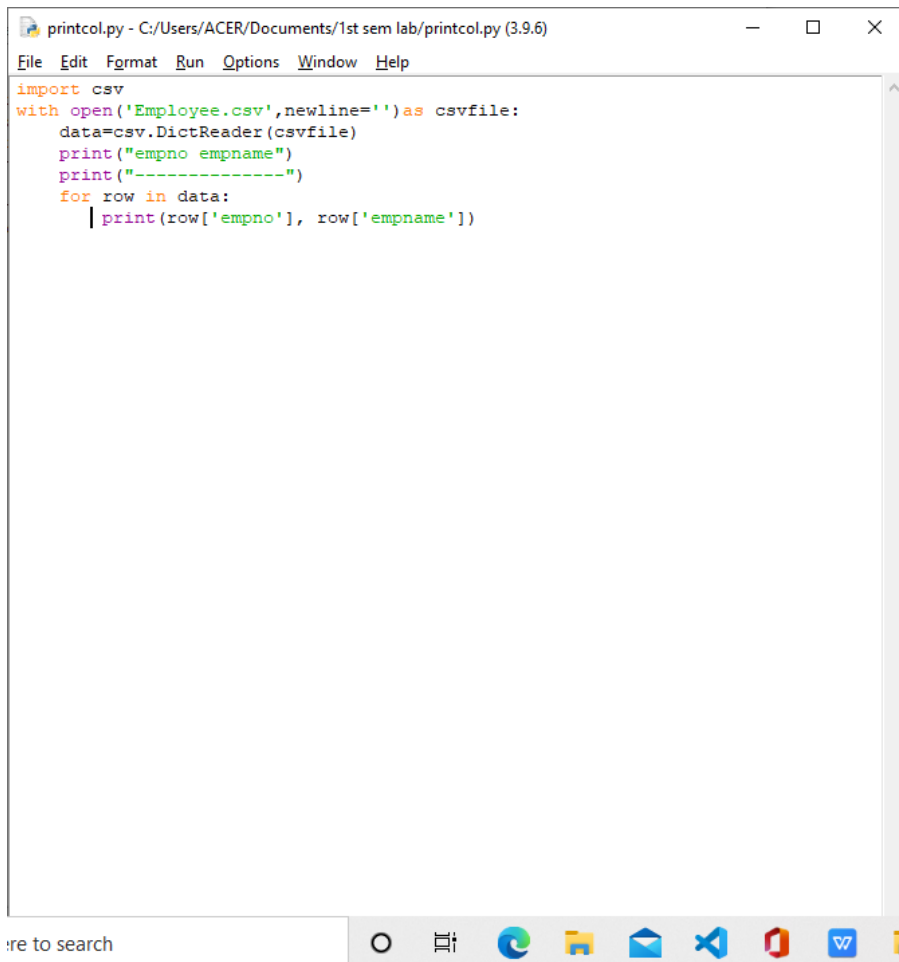
### **OUTPUT:**

```
File Edit Shell Debug Options Window Help
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/ACER/Documents/1st sem lab/readword.py =====
Enter a Line: Welcome to python programming
Welcome 1
to 1
python 1
programming 1
>>>
```

## **PROGRAM 2:**

Write a python program to read specific columns of a given csv file and print the content of the columns.

## **PROGRAMCODE:**

A screenshot of a Windows text editor window titled 'printcol.py - C:/Users/ACER/Documents/1st sem lab/printcol.py (3.9.6)'. The window has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code is written in Python and uses the csv module to read a file named 'Employee.csv'. It prints the employee ID and name for each row, separated by a dashed line. The taskbar at the bottom shows the search bar and several application icons including Edge, File Explorer, Mail, VS Code, and Word.

```
import csv
with open('Employee.csv',newline='') as csvfile:
    data=csv.DictReader(csvfile)
    print("empno empname")
    print("-----")
    for row in data:
        | print(row['empno'], row['empname'])
```

## OUTPUT:

### Program and output 02-07-2021

A screenshot of a Python 3.9.1 shell window. The title bar shows 'Python 3.9.1 (tags/v3.9.1:1e5d33e, Dec 7 2020, 17:08:21) [MSC v.1927 64 bit (AMD64)] on win32'. The prompt is '>>>'. The user has entered the command '===== RESTART: F:\EXTRA\Python\employee.py ====='. The output shows a table with two columns: 'empno' and 'empname'. The data rows are: 1 anu, 2 anjana, 3 arun, 4 ammu, 5 arjun, 6 manu, 7 kiran, 8 appu, 9 anjaly, and 10 kavysa. The prompt '>>>' is shown at the end of the output.

```
Python 3.9.1 (tags/v3.9.1:1e5d33e, Dec 7 2020, 17:08:21) [MSC v.1927 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: F:\EXTRA\Python\employee.py =====
empno empname
-----
1 anu
2 anjana
3 arun
4 ammu
5 arjun
6 manu
7 kiran
8 appu
9 anjaly
10 kavysa
>>> |
```