

Set-C
Batch-I

FIRST SEMESTER NCA(2020 SCHEME) practical examination

June 2021

20NCA131 - Programming Lab.

Date: 02-07-2021

Time: 9:30 - 12:30

Submitted by:

Reg. no: ICE20NCA2011

1. Count the occurrences of each word in a line of text.
2. Write a python program to read specific columns of a given csv file and print the content of the columns.

Answers-

1. Algorithm:

Step 1: start

Step 2: read the line of text as line.

Step 3: set count as 0.

Step 4: call the split function to sentence.

Step 5: Repeat step 6 to step 8 until word in sentence.

Step 6: check if word is in count. then,

Step 7: increment count[word] by 1.

Step 8: else set count[word] as 1.

Step 9: Repeat step 10 until k/n in count.items.

Step 10: display k,v.

Step 11 : Stop

Program code:

```
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)
```

Output:

Enter a line : welcome to python programming.

welcome 1

to 1

python 1

programming 1

Output 2:

Enter a line: India is my country.

India 1

is 1

my 1

country 1

2. Algorithm:

Step 1: start

Step 2: import csv file.

Step 3: open the csv file as csvfile.

Step 4: call the DictReader function to get the variable data.

Step 5: print "empno and empname".

Step 6: Repeat Step 7 until row in data.

Step 7: Display row[empno], row[empname].

Step 8: stop.

Program code:

```
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'])
```


Out put

empno empname

1 anu

2 anjana

3 arun

4 amru

5 anjan

6 manu

7 kiran

8 appu

9 anjaly

10 kavya.