

## ASSIGNMENT – II

### TITLE :

To develop a map reduce program for word frequency analysis.

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**CLASS :** TY-B

### PROGRAM :

#### INPUT :

I am Student of VPKBIET. I am Studying in AI&DS Department.

#### MAPPER :

```
#!/usr/bin/env python3
```

```
import sys
```

```
for lines in sys.stdin:
    line = lines.strip()
    words = line.lower().split()
    for word in words:
        print(word,1)
```

#### REDUCER :

```
#!/usr/bin/env python3
```

```
import sys
```

```
word_count={}
```

```
for lines in sys.stdin:
    word,count = lines.strip().split()
    word_count[word] = word_count.get(word,0) + int(count)
```

```
for word,count in word_count.items():
    print(word,count)
```

OUTPUT :

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