

## ASSIGNMENT 5

**Q. Write a shell program to convert a CSV file of contacts, into a VCF file.**

**Shell Program:**

```
#!/bin/bash
```

```
if [ $# -ne 1 ]; then
```

```
    echo "Usage: $0 contacts.csv"
```

```
    exit 1
```

```
fi
```

```
INPUT_FILE="$1"
```

```
OUTPUT_FILE="students.vcf"
```

```
> "$OUTPUT_FILE"
```

```
tail -n +2 "$INPUT_FILE" | while IFS=',' read -r name phone email; do
```

```
    echo "BEGIN:VCARD" >> "$OUTPUT_FILE"
```

```
    echo "VERSION:3.0" >> "$OUTPUT_FILE"
```

```
    echo "FN:$name" >> "$OUTPUT_FILE"
```

```
    echo "TEL:$phone" >> "$OUTPUT_FILE"
```

```
    echo "EMAIL:$email" >> "$OUTPUT_FILE"
```

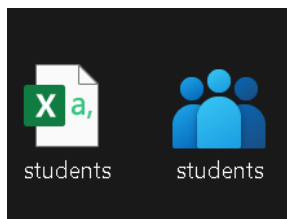
```
    echo "END:VCARD" >> "$OUTPUT_FILE"
```

```
    echo "" >> "$OUTPUT_FILE"
```

```
done
```

echo "Conversion complete! VCF file saved as \$OUTPUT\_FILE"

```
Asus@MrugankshaK MINGW64 ~  
$ chmod +x csv_to_vcf.sh  
  
Asus@MrugankshaK MINGW64 ~  
$ ./csv_to_vcf.sh students.csv  
Conversion complete! VCF file saved as students.vcf
```



Slr No	MIS No	Name	Contact No
1	123456	Rahul Sha	9.88E+09
2	234567	Neha Pate	8.77E+09
3	345678	Anjali Sing	7.65E+09
4	456789	Vikram De	6.54E+09
5	567890	Priya Meh	5.43E+09
6	678901	Arun Kum	4.32E+09
7	789012	Sneha Rec	3.21E+09
8	890123	Rajesh Gu	2.11E+09
9	901234	Ananya Jo	1.1E+09
10	112233	Karan Mal	9.99E+09
11	223344	Shreya Iye	8.88E+09
12	334455	Aditya Rac	7.77E+09
13	445566	Divya Cho	6.66E+09
14	556677	Manish Sh	5.54E+09
15	667788	Pooja Verr	4.43E+09
16	778899	Suresh Tiv	3.32E+09
17	889900	Nisha Aga	2.21E+09

csv format

```
BEGIN:VCARD
VERSION:3.0
FN:1
TEL:123456
EMAIL:Rahul Sharma,9876543210
END:VCARD
```

```
BEGIN:VCARD
VERSION:3.0
FN:2
TEL:234567
EMAIL:Neha Patel,8765432109
END:VCARD
```

```
BEGIN:VCARD
VERSION:3.0
FN:3
TEL:345678
EMAIL:Anjali Singh,7654321098
END:VCARD
```

Vcf format

CSV (Comma-Separated Values) and VCF (vCard) are two common formats for storing contact information. **CSV files** store data in a tabular format where each line represents a record, and fields are separated by commas. **VCF files** store contact details in a structured format used by applications like Google Contacts, Outlook, and mobile phones.