

Unix Lab
test 2

Shreyash-A
IBM18CS106
Batch C1

3.ii) // Reverse Reading

```
#include <fcntl.h>
```

```
#include <unistd.h>
```

```
int main (int argc, char **argv) {
```

```
    char buf; int size, fd;
```

```
    fd = open(argv[1], O_RDONLY);
```

```
    size = lseek(fd, -1, SEEK_END);
```

```
    while (size -- > 0) {
```

```
        read(fd, &buf, 1);
```

```
        write(STDOUT_FILENO, &buf, 1);
```

```
        lseek(fd, -2, SEEK_CUR);
```

```
    }
```

```
}
```

```
cii) echo -n "Enter filename!"  
read file
```

```
Vowel=0
```

```
for str in `cat $file`
```

```
do
```

```
len = $(expr length $str)
```

```
while [$len -gt 0]
```

```
do
```

```
ch=$(echo $str | cut -c $len)
```

```
case $ch in
```

```
[aeiouAEIOU]) vowel=$((vowel+1));;
```

```
esac
```

```
len=$((len-1))
```

```
done
```

```
done
```

```
echo "Vowel count = $Vowel"
```