



Name: Swekit Patel

Roll No: 22BCE347

Batch: F1

Subject: Operating System (OS)

Subject Code: 2CS506

Practical 7

7A

Code:

```
read -p "Enter a string :" str
str1=""

while [ "$str1" != "end" ]
do
    if [ ! -z "$str1" ]
    then
        str="$str\n$str1"
    fi
    read -p "Enter another string:" str1
done

touch temp
echo -e "$str" >> temp
echo "The contents have been stored in the temp file."
```

Output

```
echo "The contents have been stored in the temp file."
-sh-4.2$ sh p7a.sh
Enter a string :yo
Enter another string:yo yo
Enter another string:yohohoooo
Enter another string:end
The contents have been stored in the temp file.
-sh-4.2$ cat temp
yo
yo yo
yo
yo yo
yohohoooo
```

7B

Code:

```
-sh-4.2$ cat p7b.sh
read -p "Enter a number n:" n
result=0

while [ $n -ne 0 ]
do
    digit=`echo "scale=0;$n%10"|bc`
    result=`echo "scale=0;$result*10" | bc`
    result=`echo "scale=0;$result + $digit" | bc`
    n=`echo "scale=0;$n/10" | bc`
done

echo "The reversed number is $result"
```

Output

```
-sh-4.2$ sh p7b.sh
Enter a number n:01
The reversed number is 1
-sh-4.2$ nano p7b.sh
-sh-4.2$ sh p7b.sh
Enter a number n:109
The reversed number is 901
-sh-4.2$ sh p7b.sh
Enter a number n:10
The reversed number is 1
-sh-4.2$ sh p7b.sh
Enter a number n:90
The reversed number is 9
```