Practical 2

a.

```
Hello Good Morning
Asif Alam
4EC1
92201703058
```

b.

```
enter the 1st number
50
enter the 2nd number
40
Sum of n1 and n2: 90
```

Practical 2: Demonstrate commands of Unix.

a.) Write a shell script with basic commands like echo and read.

```
echo "Hello Good Morning";
echo "Asif Alam";
echo "4EC1";
echo "92201703058";
```

b.) Write a shell script to display addition of given two numbers.

```
echo "enter the 1st number"
read n1 #enter 2nd number
echo "enter the 2nd number"
read n2
#calculate answer
ans=$(( $n1 + $n2 ))
#show answer
echo "Sum of n1 and n2: $ans"
```

Practical 3

a.

```
Enter a number:
5
Enter another number:
5
Addition : 10
```

b.

```
Enter a number:
5
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45
5 * 10 = 50
```

Practical 3

a: Write a shell script to display addition of given two numbers.

Code:

```
echo "Enter a number: "
read a
echo "Enter another number: "
read b
res=`expr $a + $b`
echo "Addition : $res"
```

b: Write a shell script to display multiplication table of given number.

Code:

```
echo "Enter a number: "
read num
i=1
while [ $i -le 10 ]
do
res=`expr $num \* $i`
echo "$num * $i = $res"
((++i))
done
```

4.

```
Enter marks of Maths
80
Enter marks of Phy
70
Enter marks of Chemistry
90
Total = 240
Percentage = 80
First Class
```

Practical 4: Write a shell script to generate marksheet of a student. Take 3 subjects, calculate and display total marks, percentage and class obtained by the student.

Code:

```
echo "Enter marks of Maths"
read Maths
echo "Enter marks of Phy"
read Phy
echo "Enter marks of Chemistry"
read chem
total=expr $Maths + $Phy + $chem
perc=expr $total / 3

echo "Total = $total"
echo "Percentage = $perc"

if [ $perc -ge 70 ]
then
echo "First Class"
elif [ $perc -ge 60 ]
then
echo "Second Class"
elif [ $perc -ge 50 ]
then
echo "Third Class"
elif [ $perc -lh 50 ]
then
echo "Fail"
fi
```