

OPEN SOURCE LAB

ASSIGNMENT – 4

AUGUSTINE SEBASTIAN

ROLL NO : 22

1.Find the largest of 3 numbers

```
#!/bin/sh

read -p "Enter a number : " a
read -p "Enter a number : " b
read -p "Enter a number : " c

if [ $a -gt $b ] && [ $a -gt $c ]
then
    echo "largest value = $a"
elif [ $b -gt $a ] && [ $b -gt $c ]
then
    echo "largest value = $b"
else
    echo "largest value = $c"
fi
```

2. Reverse of a number

```
#!/bin/bash

read -p "Enter a number : " i

r=0
c=$i

while [ $i -gt 0 ]
do
    e=`expr $i % 10`
    r=`expr $r \\* 10 + $e`
    i=`expr $i / 10`
done

echo "reverse of the number is $r"
```

3.Sum of digits of a number

```
#!/bin/sh

read -p "Enter a number : " i

r=0
c=$i

while [ $i -gt 0 ]
do
    e=`expr $i % 10`
    r=`expr $r + $e`
    i=`expr $i / 10`
done

echo "sum of the digit is $r"
```

4.Check whether a number is Armstrong or not

```
#!/bin/sh

read -p "Enter a number : " i

e=0
r=0
c=$i

while [ $i -gt 0 ]
do
    e=`expr $i % 10`
    e=`expr $e \* $e \* $e`
    r=`expr $r + $e`
    i=`expr $i / 10`
done
if [ $c == $r ]
then

    echo "$c is armstrong"
else
    echo "$c is not armstrong"
fi
```