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USP LAB-2

Program1:

Find if a given number is zero, positive or negative number.

PROGRAM:

OUTPUT:

```
bmsce@bmsce-Precision-T1700:~$ vi program1.sh
bmsce@bmsce-Precision-T1700:~$ sh program1.sh
Enter a number
0
The number is zero
bmsce@bmsce-Precision-T1700:~$ sh program1.sh
Enter a number
8
The number is positive
bmsce@bmsce-Precision-T1700:~$ sh program1.sh
Enter a number
-9
The number is negative
```

Program2:

Find the greatest of three numbers.

PROGRAM:

OUTPUT:

```
bmsce@bmsce-Precision-T1700:~$ vi program2.sh
bmsce@bmsce-Precision-T1700:~$ sh program2.sh
Enter three numbers
10 20 30
The greatest number among three numbers is 30
bmsce@bmsce-Precision-T1700:~$ sh program2.sh
Enter three numbers
50 50 50
The numbers are equal
```

Program3:

Find if a year is leap year or not.

PROGRAM:

OUTPUT:

```
bmsce@bmsce-Precision-T1700:~$ vi program3.sh
bmsce@bmsce-Precision-T1700:~$ sh program3.sh
Enter a year
1700
The year is not a leap year
bmsce@bmsce-Precision-T1700:~$ sh program3.sh
Enter a year
1600
The year is a leap year
```

Program4:

Find the area of the circle.

PROGRAM:

```
#/bin/sh
echo "Enter radius"
read r
echo "Area of circle:"
echo " 3.14 * $r * $r " | bc
```

OUTPUT:

```
bmsce@bmsce-Precision-T1700:~$ vi program4.sh
bmsce@bmsce-Precision-T1700:~$ sh program4.sh
Enter radius
5
Area of circle:
78.50
```