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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
```