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# Unix Shell and System Programming

Batch - 5

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Program - 1.

Leap Year

```
echo "Enter the year to be checked"
read year.
```

```
if [ $(($year % 4)) -eq 0 ]
then
  if [ $(($year % 100)) -eq 0 ]
  then
    if [ $(($year % 400)) -eq 0 ]
    then
      echo "its a leap year"
    else
      echo "its not a leap year"
    fi
  else
    echo "its a leap year"
  fi
else
  echo "its not a leap year"
fi
```

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②

Program -2

Circle Area.

```
echo "enter radius of circle"  
read r  
area=$((echo "3.14 * $r * $r" | bc))  
echo "area of the circle is " $area.
```

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