

20/10/2023

- lt (line stamp)

LAB - 1

1

1) leap year or not ?

```
echo -n "Enter a year"
read year-checker
if [ `expr $year-checker % 4` -eq 0 ]
then
    echo "$year-checker is a leap year"
else
    echo "$year-checker is not a lp"
fi
```

2) +ve and -ve ?

```
echo "Enter a number"
read num
if [ $num -gt 0 ]
then
    echo "positive"
elif [ $num -lt 0 ]
then
    echo "negative"
else
    echo "the number is zero"
fi
```

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③

greatest of 3 number?

```
echo "Enter the 3 no"
```

```
read a b c
```

```
if [ $a -gt $b -a $a -gt $c ]  
then
```

```
echo "$a is the great no"
```

```
elif [ $b -gt $c -a $b -gt $a ]  
then
```

```
echo "$b is the greatest"
```

```
else
```

```
echo "$c is the greatest"
```

```
fi.
```

④

simple calc?

```
echo "Enter two oper"
```

```
read a b
```

```
echo "Enter the choice"
```

```
echo "1. add 2. sub 3. mul 4. div"
```

```
read choice
```

```
case $choice in
```

```
1) echo `expr $a + $b`;;
```

```
2) echo `expr $a - $b`;;
```

```
3) echo `expr $a \* $b`;;
```

```
4) echo `expr $a / $b`;;
```

```
* ) echo "wrong input";;
```

```
esac
```

3

⑤ Factorial?

echo "Enter no: "

read num

fact = 1

while [ \$num -gt 1 ]

do

fact = 'expr \$fact \* \$num'

num = 'expr \$num - 1'

done

echo "fact = \$fact".

```

1) sumodd
echo "Enter n"
read n
i = 1
sum = 0
while [ $i -le n ]
do
    sum = `expr $sum + $i`
    i = `expr $i + 2`
done
echo "sumodd = $sum"

```

```

2) sumEven
echo "Enter n"
read n
i = 2
sum = 0
while [ $i -le n ]
do
    sum = `expr $sum + $i`
    i = `expr $i + 2`
done
echo "sumodd = $sum"

```

```

3) echo "enter the salary"
read bsal
if [ $bsal -gt 0 ]
gsal = $(($bsal + ($bsal / 100 * 10) +
          ($bsal / 100 * 40))
echo "The gross : $gsal"

```



4)

fareheit to celcius

echo "Enter temp in farenh"

read f

c = 'echo "scale=2; (5/9) \* (f-32) " | bc'

echo "Temp in c = \$c"

5)

sum of n natural

echo "Enter n"

i = 1

read n

sum = 0

while [ \$i -le n ]

do

sum = 'expr \$sum + \$i'

i = 'expr \$i + 1'

done

echo "sum natural = \$sum"

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