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# Unix Shell and System Programming Batch - 3

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Program - 5

Factorial of a Number.

```
echo "Enter the number"
read num
fact = 1
```

```
while [ $num -gt 1 ]
do
    fact = $ ( ( fact * num ) )
    num = $ ( ( num - 1 ) )
done
```

```
echo "the factorial of the number is " $fact.
```

Program - 6

Calculation of Gross Salary

```
echo "Enter the Salary:"
read Sal
```

```
hra = 'expr 20 \* $sal / 100'
da = 'expr 30 \* $sal / 100'
gs = 'expr $sal + $hra + $da'
```

```
echo "Gross salary is $gs"
```

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