Airthmetic Operations

```
echo    "Hello World"
echo    "Enter two numbers"
read    num
read    num2
echo    "1. Add \n 2. Sub 3. Multiply \n 4. Divide"
echo    "Enter the choice"
read    choice
case    "$choice" in
        1) val = `expr $num + $num2`
           echo "a+b : $val".

        2) val = `expr $num - $num2`
           echo "a-b : $val";

        3) val = `expr $num \* $num2`
           echo "a* b : $val";;

        4) val = `expr $num / $num2`
           echo "a/b : $val";;
    *)
    echo "Invalid Input";;

esac
```

factorial of Number

```
echo "Enter the number"
read num
fact = 1
while [ $num - gt 1 ]
do
    fact = $(( fact * num ))
    num = $ (( num - 1 ))
done
echo $ fact
```

Pgm to find Gross income

```
echo " Enter ur basic salary"
read sal
if [ $ sal - ge 1000 ]
then
    da = `expr $ sal \* 50/100`
    ha = `expr $ sal \* 20/100`
    Nsal = `expr $ sal + $ da + $ ha`
    echo "Basic salary $ sal"
    echo "DA $ da"
    echo "HA $ ha"
    echo "Ur Net Salary is Rs. $ Nsal"
else
    echo "Your net salary is $ sal
fi
```