

LAB REPORT EMT 2390L – OL76

(OPERATING SYSTEM LABORATORY)

LAB #8

Name: Puja Roy

Date: 4/18/21

Loan-calc Linux Script

```
Opujaroy@DESKTOP-U16R768: ~
```

```
PROGNAME=$(basename $0)
usage () {
cat <<- EOF
calculate() {
  principal=$1
  interest=$2
  months=$3
  bc <<- EOF
interactive() {
  read principal
  read interest
  read months
  d=$(calculate $principal $interest $months )
while getopts ':ih' flag; do
```

```
# Accepting flag i and h
while getopts ':ih' flag; do
  case "${flag}" in
   i) interactive;;
  h) usage ;;
  *) usage; exit 1; ;;
  esac
done

# When no flag is passed
if (($#==3)); then
        d=$(calculate $1 $2 $3)
        printf "%.2f\n" $d
        exit 0
else
        usage
        exit 1
fi
```

Opujaroy@DESKTOP-U16R768: ~

```
pujaroy@DESKTOP-U16R768:~$ ./loan-calc
Usage: loan-calc PRINCIPAL INTEREST MONTHS
Where:
PRINCIPAL is the amount of the loan.
INTEREST is the APR as a number (7% = 0.07).
MONTHS is the length of the loan's term.
pujaroy@DESKTOP-U16R768:~$
```