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Discipline - CSE-1

Semester - 5th

University Roll No - 16900119063

Class Roll No - 63

Subject Name with code - Operating System Lab (PCC-CS592)

14) a).

```

clear
rm paySlip.txt
echo "Enter the basic pay of employees"
read -a arr
echo "Basic pay | D.A | H.R.A | P.F | Gross salary" >>
paySlip.txt
for basicPay in "${arr[@]}"
do
da = 'echo "scale = 3; 45/100 * $basicPay" | bc'
hra = 'echo "scale = 3; 15/100 * $basicPay" | bc'
pf = 'echo "scale = 3; 10/100 * $basicPay" | bc'
gross = 'echo $da + $hra + $pf + $basicPay | bc'
echo " "$basicPay" - "$da" - "$hra" - "$pf" - "$gross" -
" >> paySlip.txt
done

```

Input: Enter basic pay of employees
788

Output in paySlip.txt

```

Basic pay | D.A | H.R.A | P.F | Gross salary
788 - 354.600 - 118.200 - 78.800 - 1339.600 -

```

14) b)

clear

echo "date of birth (dd/mm/yyyy)"

read dob

IFS = "/"

set \$dob

d = \$1

m = \$2

y = \$3

d1 = 'date + %d'

m1 = 'date + %m'

y1 = 'date + %Y'

dd = 'expr \$d1 - \$d'

mm = 'expr \$m1 - \$m'

yy = 'expr \$y1 - \$y'

if [\$dd -lt 0]

then

mm = 'expr \$mm - 1'

dd = 'expr \$dd + 30'

fi

if [\$mm -lt 0]

then

mm = 'expr \$mm + 12'

yy = 'expr \$yy - 1'

fi

echo "age is \$yy years and \$mm months and \$dd days
old"

Input

date of birth (dd/mm/yyyy)

24/07/2001

Output

age is 20 years and 5 month and 16 days old.