

https://github.com/Shri10/BL_branches/blob/main/ba.sh << You'll find all the branches



START

Start with Displaying
Welcome to Employee
Wage Computation
Program on Master Branch

Main Branch

```
GNU nano 6.4 ba.sh
echo "Welcome to Employee Wage Computation Program"
```

```
Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (main)
$ sh ba.sh
Welcome to Employee Wage Computation Program
```

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UC 1

Check Employee is
Present or Absent

- Use ((RANDOM)) for Attendance
Check

UC1 Branch

```
GNU nano 6.4 ba.sh
if (( RANDOM % 2 == 1 )); then
    echo "Employee is Present"
else
    echo "Employee is Absent"
fi
```

```
Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc1)
$ sh ba.sh
Employee is Present
```



UC 2

Calculate Daily Employee Wage

- Assume Wage per Hour is 20
- Assume Full Day Hour is 8

UC2 Branch

```
GNU nano 6.4 ba.sh
WagePerHour=20
FullDayHour=8

empCheck=$((RANDOM%2))
totalSalary=0

if [ $empCheck -eq 1 ]
then
    echo "Employee is Present"
    totalSalary=$(( WagePerHour * FullDayHour ))
else
    echo "Employee is Absent"
fi

echo "Total Salary: $totalSalary"
```

```
Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc2)
$ sh ba.sh
Employee is Absent
Total Salary: 0

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc2)
$ sh ba.sh
Employee is Present
Total Salary: 160
```



Add Part time Employee & Wage

- Assume Part time Hour is 8

UC3 Branch

```
GNU nano 6.4 ba.sh
isFullTime=1
isPartTime=2
empHourRate=20
randomCheck=$((RANDOM%3))

if [ $isFullTime -eq $randomCheck ]; then
    empHrs=8
elif [ $isPartTime -eq $randomCheck ]; then
    empHrs=4
else
    empHrs=0
fi

salary=$((empHrs*empHourRate))
echo "Salary: " $salary
```

```
Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc3)
$ sh ba.sh
Salary: 80

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc3)
$ sh ba.sh
Salary: 160

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc3)
$ sh ba.sh
Salary: 0
```



UC 4

Solving using
Switch Case
Statement

UC4 Branch

```
GNU nano 6.4 ba.sh
isFullTime=1
isPartTime=2
empHourRate=20
randomCheck=$((RANDOM%3))

case $randomCheck in
    $isFullTime)
        empHrs=8
        ;;
    $isPartTime)
        empHrs=4
        ;;
    *)
        empHrs=0
        ;;
esac

salary=$((empHrs*empHourRate))
echo "Salary: " $salary
```

```
Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc4)
$ sh ba.sh
Salary: 160

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc4)
$ sh ba.sh
Salary: 0

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc4)
$ sh ba.sh
Salary: 80
```



UC 5

Calculating Wages for a Month

- Assume 20 Working Day per Month

UC5 Branch

```
GNU nano 6.4 empWageComputation.sh
isFullTime=1;
isPartTime=2;
empHourRate=20;
totalSalary=0;
workingDaysPerMonth=20;

for (( day=1 ; day<=$workingDaysPerMonth; day++ ))
do
    randomCheck=$((RANDOM%3))
    case $randomCheck in
        $isFullTime)
            empHrs=8
            ;;
        $isPartTime)
            empHrs=4
            ;;
        *)
            empHrs=0
            ;;
    esac
    salary=$((empHrs*empHourRate));
    totalSalary=$((totalSalary+salary));
done

echo "Month's Salary: " $totalSalary
```

```
Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc5)
$ sh empWageComputation.sh
Month's Salary: 1520

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc5)
$ sh empWageComputation.sh
Month's Salary: 1600

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc5)
$ sh empWageComputation.sh
Month's Salary: 2160

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc5)
$ sh empWageComputation.sh
Month's Salary: 1920

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc5)
$ sh empWageComputation.sh
Month's Salary: 1760

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc5)
$ sh empWageComputation.sh
Month's Salary: 1680

Shri@PRODUCTIVITY-4 MINGW64 ~/Testing_Bridge/repoPortal/repo2 (uc5)
$ sh empWageComputation.sh
Month's Salary: 2000
```

You'll find all the branches >> https://github.com/Shri10/BL_branches/blob/main/ba.sh