

Script Output - 3

Read the input file of below format: input.txt

ID	Name	Emp_type	Joining_date	Status
1	Suma	CONTRACTOR	01-Feb-2021	Active
2	Vishnupriya	FULL_TIME	13-Feb-2020	Active
3	Sharath	FULL_TIME	16-Jan-2020	Active
4	Tejaswi	FULL_TIME	01-Jan-2022	InActive
5	Niyathi	FULL_TIME	01-Aug-2022	Active

Business logic for calculating bonus:

Fixed Bonus per year - 10K

Calculate bonus cut-off date = 01-Jan-2023.

Eg :If the employee completed 3 year on cut-off date

Total bonus = Fixed Bonus per year * No of years to consider (3)

If No of years is less than 1year for the active employees, bonus has to be paid as per the no of months completed keeping the 10K bonus.

Output file should be sorted with bonus & in below format : output-01162023.bonus

Sharath joined as full time employee on 16-Jan-2020. Bonus has to be paid Rs 30k.

Vishnupriya joined as full time employee on 13-Feb-2020. Bonus has to be paid Rs 20k.

Suma joined as contractor on 01-Feb-2021. Bonus has to be paid Rs 10k.

Niyathi joined as full time employee on 01- Aug-2022. Bonus has to be paid Rs 4166.

Tejaswi worked as full time employee, joined on 01-Jan-2022. No Bonus

```
#!/bin/bash
```

```
DATE=$(date +%Y-%m-%dT%T)
```

```
INPUT_FILE_PATH="./readinputs/"
```

```
CUTOFF_DATE="01-Jan-2023"
```

```
fixed_bonus=10000
```

```
FILE=$(cat "$INPUT_FILE_PATH"input.txt | sed '1d')
```

```
IFS=$'\n'
```

```
for line in ${FILE[@]}
```

```
do
```

```
    NAME=$(echo $line | awk '{print $2}')
```

```
    EMP_TYPE=$(echo $line | awk '{print $3}')
```

```
    joining_date=$(echo $line | awk '{print $4}')
```

```
    status=$(echo $line | awk '{print $5}')
```

```
    diff=$(echo $((($date -jf "%d-%b-%Y" $CUTOFF_DATE +%s) - $(date -jf "%d-%b-%Y" $joining_date +%s))))
```

```
    DIFF_YEARS=$(expr $diff / 31536000)
```

```
    if [[ $DIFF_YEARS -lt 1 ]] && [[ $status == "Active" ]]
```

```
    then
```

```
        DIFF_MONTHS=$(expr $diff / 2592000)
```

```
        BONUS=$(echo "$fixed_bonus*$DIFF_MONTHS/12" | bc)
```

```
    elif [[ $DIFF_YEARS -ge 1 ]]
```

```

then
    BONUS=$(echo "$fixed_bonus*$DIFF_YEARS" | bc)
else
    BONUS=0
fi

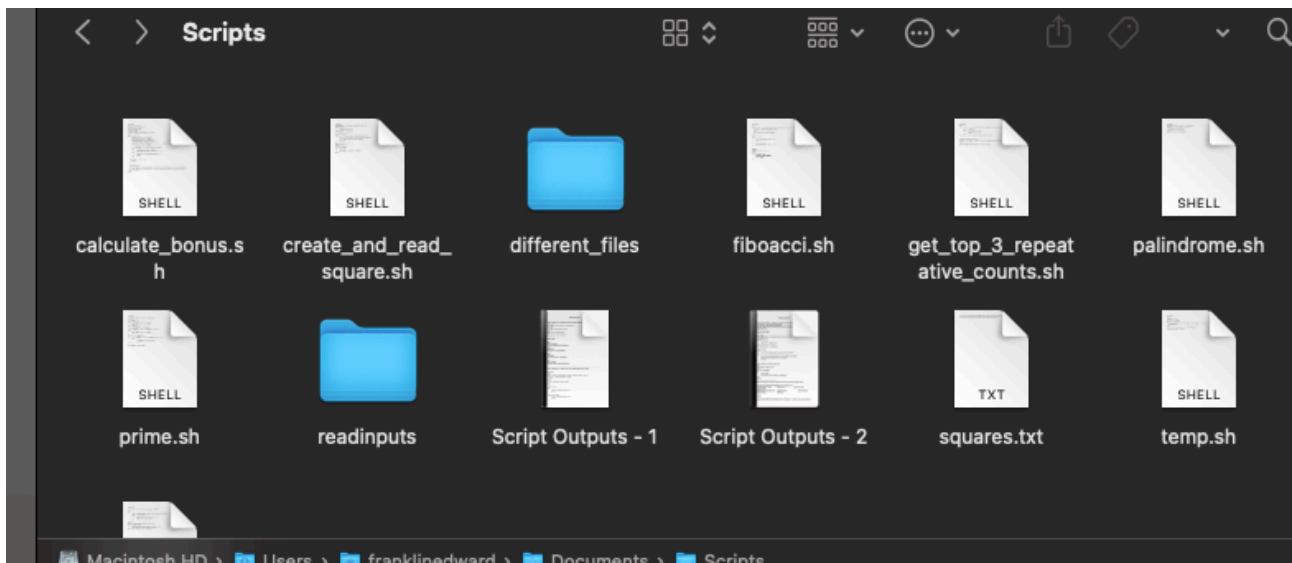
if [[ $status == "InActive" ]]
then
    BONUS=0
fi

if [[ $BONUS -eq 0 ]]
then
    echo "$NAME joined as $emp_type employee, joined on $joining_date. No Bonus" >>
output-"$DATE".bonus
else
    echo "$NAME joined as $emp_type employee, joined on $joining_date. Bonus has to be
paid Rs $BONUS" >> output-"$DATE".bonus
fi
done

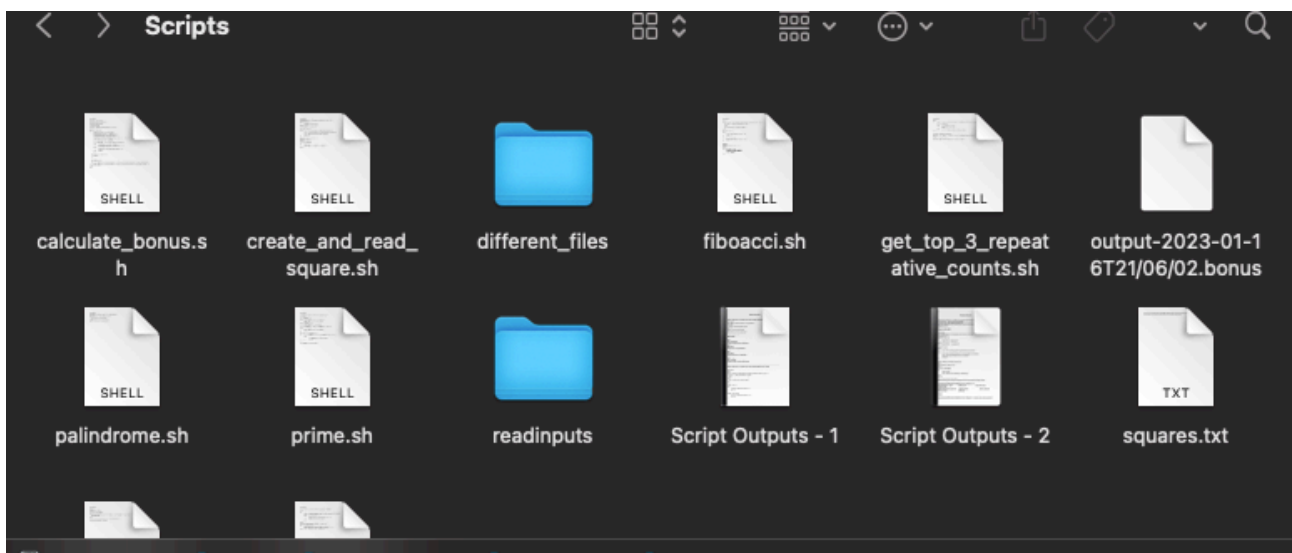
```

Testcases

Before running script :



After Running Script



```
output-2023-01-16T21/06/02.bonus — Edited
Suma joined as employee, joined on 01-Feb-2021. Bonus has to be paid Rs 10000
Vishnupriya joined as employee, joined on 13-Feb-2020. Bonus has to be paid Rs 20000
Sharath joined as employee, joined on 16-Jan-2020. Bonus has to be paid Rs 20000
Tejaswi joined as employee, joined on 01-Jan-2022. No Bonus
Niyathi joined as employee, joined on 01-Aug-2022. Bonus has to be paid Rs 4166
```
