

```

In [2]: salary = 20000

# Increase salary by 57%
salary *= 1.57

# Reduce salary by 19.45% for 4 days of leave
salary *= 1 - (19.45 / 100)

# Add 2000 Rupees from friend
salary += 2000

# Calculate expenses
house_rent = 4000
medical_fee = salary * (13.33 / 100)
insurance_fee = salary * (8.7 / 100)
food_cost = 5000
education_spent = salary * (22.5 / 100)

# Calculate remaining amount
remaining_amount = salary - (house_rent + medical_fee + insurance_fee + food_cost)

print("Remaining amount in Raju's salary account:", remaining_amount)
print("Amount spent on children's education:", education_spent)
print("Amount spent on insurance:", insurance_fee)

```

Remaining amount in Raju's salary account: 6139.260689999999
 Amount spent on children's education: 6140.8575
 Amount spent on insurance: 2374.4649

```
In [3]: Salary = 20000
```

```
In [4]: Salary*=1.57
```

```
In [5]: Salary
```

```
Out[5]: 31400.0
```

```
In [6]: Salary *= 1 - (19.45 / 100)
```

```
In [7]: Salary
```

```
Out[7]: 25292.7
```

```
In [8]: Salary+=2000
```

```
In [9]: Salary
```

```
Out[9]: 27292.7
```

```
In [10]: medical_fee = salary * (13.33 / 100)
```

In [11]: `medical_fee`

Out[11]: 3638.11691

In [12]: `remaining_amount = salary - (house_rent + medical_fee + insurance_fee + food)`

In [13]: `remaining_amount`

Out[13]: 6139.260689999999

In [14]: `education_spent = salary * (22.5 / 100)`
`education_spent`

Out[14]: 6140.8575

In [15]: `insurance_fee = salary * (8.7 / 100)`
`insurance_fee`

Out[15]: 2374.4649

In [17]: `principal_amount=100`
`interest_rate=2/100`
`total_amount=0`
`for year in range(1,47):`
 `total_amount += principal_amount * (1+interest_rate)** (year-1)`
`print("Summation of total amount up to 46th year:",total_amount)`

Summation of total amount up to 46th year: 7433.056447036858

In []: