

#This work related to basics of python by collecting data from directory and manipulate basic calculation from salary to calculate total expenditure profit or loss of his salary and reveal the graphical representation of the profit done by using basic library packages:

```
salary =20000
hike=57/100
salaryhike =salary*hike
print("salaryhike rs:",salaryhike)
total = salary+salaryhike
print("total 57% salry hike RS:",salary+salaryhike)
leavepercent=19.45/100
lossofpay=19.45/100*total
leavereduction=total-lossofpay
print("leave 19.45% reduction and final net amount salary rs:",leavereduction)
kamal =2000
totalnet =kamal+leavereduction
print("getting from kamal2000 and salary added rs:",totalnet)
houserent = totalnet-4000
totalhouseded=houserent
print("houserent 4000 deduction from salary",totalhouseded)
medical=13.33/100*totalhouseded
print("medical 13.3 from salary",medical)
totalmedicalded=totalhouseded-medical
print("medical 13.3% deduction from salary",totalmedicalded)
insurance=8.7/100*totalmedicalded
print("insurance 8.7% from salary",insurance)
totalinsuranceded=totalmedicalded-insurance
print("insurance 8.7% deducted from salary",totalinsuranceded)
food = totalinsuranceded -5000
totalfood= food
print("food 5000 deducted from salary",totalfood)
education =22.5/100 * totalfood
```

```

print("education 22.5% from salary",education)
totalaeducation=totalfood-education
print("education 22.5% after deduction",totalaeducation)
print("remaining amount of salary INR:",totalaeducation,
      "education amount for 22.5% INR:",education,
      "insurance amount 8.7% INR;",insurance)
import matplotlib.pyplot as plt; plt.rcdefaults()
import numpy as np
import matplotlib.pyplot as plt

objects = ( 'leavereduction','totalnet',
           'insurance','education','totalbalance')
y_pos = np.arange(len(objects))

performance = (leavereduction,totalnet,
              insurance,education,totalaeducation)

plt.bar(y_pos, performance, align='center', alpha=.6)
plt.xticks(y_pos, objects)
plt.ylabel('Calculation Amount')
plt.title('Salary Details:')

plt.show()

```

console output:

```

salaryhike rs: 11399.999999999998
total 57% salry hike RS: 31400.0
leave 19.45% reduction and final net amount salary rs: 25292.7
getting from kamal2000 and salary added rs: 27292.7
houserent 4000 deduction from salary 23292.7

```

medical 13.3 from salary 3104.91691

medical 13.3% deduction from salary 20187.78309

insurance 8.7% from salary 1756.33712883

insurance 8.7% deducted from salary 18431.44596117

food 5000 deducted from salary 13431.44596117

education 22.5% from salary 3022.0753412632503

education 22.5% after deduction 10409.37061990675

remaining amount of salary INR: 10409.37061990675 education amount for 22.5% INR: 3022.0753412632503 insurance amount 8.7% INR; 1756.33712883



