## SUMAN MONDAL 100227240046

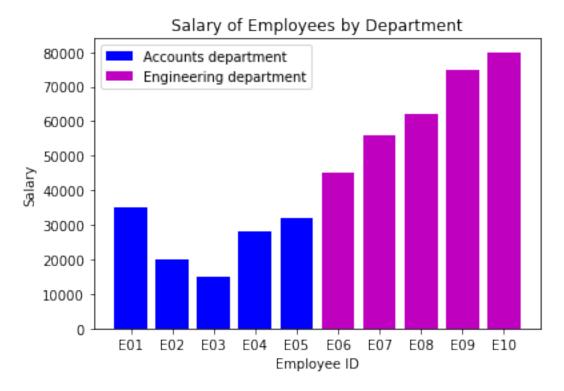
## January 19, 2023

## ['Hello', 'Suman']

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[3]: # QO2. A python program to display employee id no.s on x axis and their
     salaries on y axis in the form of a bar graph for two departments of all
     ⇔company.
     import matplotlib.pyplot as plt
     # Data for department 1
     dept1_emps = {'E01' : 35000, 'E02' : 20000, 'E03' : 15000, 'E04' : 28000, 'E05'
     ⇔: 32000}
     # Data for department 2
     dept2_emps = {'E06' : 45000, 'E07' : 56000, 'E08' : 62000, 'E09' : 75000, 'E10'
     →: 80000}
     # create a bar chart
     fig, ax = plt.subplots ()
     ax.bar (dept1_emps.keys(), dept1_emps.values(), color = 'b', label = 'Accounts_

department')
     ax.bar (dept2_emps.keys(), dept2_emps.values(), color = 'm', label =__
     ⇔'Engineering department')
     ax.set_xlabel ('Employee ID')
     ax.set_ylabel ('Salary')
```

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ax.set_title ('Salary of Employees by Department')
ax.legend ()
plt.show ()
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[4]: # Q03. A python program to display a histogram showing the number of employees_u in specific age groups.

import matplotlib.pyplot as plt

ages = [22, 35, 27, 21, 45, 33, 31, 35, 40, 27, 30, 32, 35, 28]

bins = [20, 25, 30, 35, 40, 45, 50]

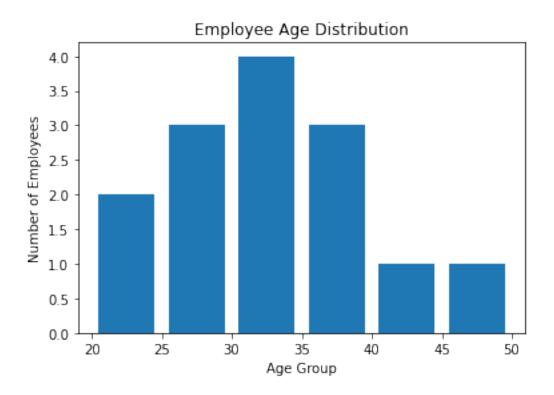
plt.hist (ages, bins, histtype = 'bar', rwidth = 0.8)

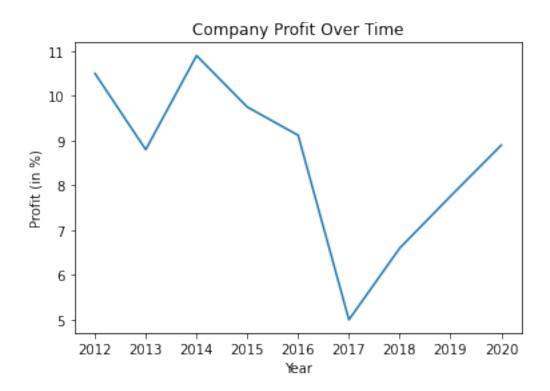
plt.xlabel ('Age Group')

plt.ylabel ('Number of Employees')

plt.title ('Employee Age Distribution')

plt.show ()
```





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