In [7]:
```
import openpyxl as op
```

In [9]:
```
import pandas as pd
```

In [15]:
```
workbook= op.Workbook()
sheet= workbook.active
```

In [19]:
```
data = [
    ['NAME','DOMAIN','AGE','LOCATION','SALARY','EXP'],
    ['STEN','DS',26,'DELHI',18000,2],
    ['SWAYAM','YM',22,'KLKTA',20000,1],
    ['RISH','AI',23,'PUNE',30000,3],
    ['RAKA','MERN',24,'NOIDA',40000,4],
    ['BIKASH','DA',25,'HYD',50000,0]
]
```

In [21]:
```
for row in data:
    sheet.append(row)

workbook.save('data.slsx')
```

In [23]:
```
data
```

Out[23]:
```
[['NAME', 'DOMAIN', 'AGE', 'LOCATION', 'SALARY', 'EXP'],
 ['STEN', 'DS', 26, 'DELHI', 18000, 2],
 ['SWAYAM', 'YM', 22, 'KLKTA', 20000, 1],
 ['RISH', 'AI', 23, 'PUNE', 30000, 3],
 ['RAKA', 'MERN', 24, 'NOIDA', 40000, 4],
 ['BIKASH', 'DA', 25, 'HYD', 50000, 0]]
```

In [27]:
```
import os
os.getcwd()
```

Out[27]:
```
'C:\\Users\\bikas'
```

In [31]:
```
e = pd.read_excel(r'C:\\Users\\bikas\data.slsx')
e
```

Out[31]:

	NAME	DOMAIN	AGE	LOCATION	SALARY	EXP
0	STEN	DS	26	DELHI	18000	2
1	SWAYAM	YM	22	KLKTA	20000	1
2	RISH	AI	23	PUNE	30000	3
3	RAKA	MERN	24	NOIDA	40000	4
4	BIKASH	DA	25	HYD	50000	0

In [35]:
```
e.shape
```

Out[35]: (5, 6)

In [41]:
```
e.columns
```

Out[41]: Index(['NAME', 'DOMAIN', 'AGE', 'LOCATION', 'SALARY', 'EXP'], dtype='object')

In [45]:
```
len(e.columns)
```

Out[45]: 6

In [47]:
```
len(e)
```

Out[47]: 5

In [49]:
```
e
```

Out[49]:

	NAME	DOMAIN	AGE	LOCATION	SALARY	EXP
0	STEN	DS	26	DELHI	18000	2
1	SWAYAM	YM	22	KLKTA	20000	1
2	RISH	AI	23	PUNE	30000	3
3	RAKA	MERN	24	NOIDA	40000	4
4	BIKASH	DA	25	HYD	50000	0

In [51]:
```
e['SALARY']
```

Out[51]:
```
0    18000
1    20000
2    30000
3    40000
4    50000
Name: SALARY, dtype: int64
```

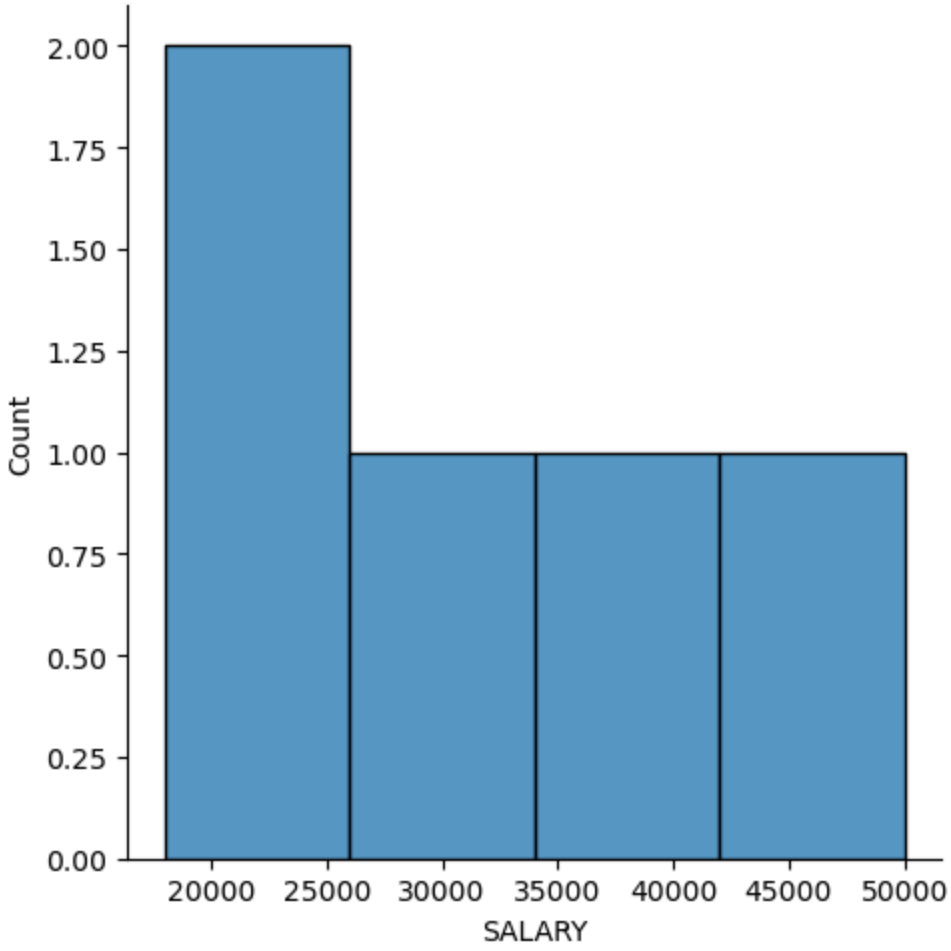
In [57]:
```
e[['SALARY','EXP']]
```

Out[57]:

	SALARY	EXP
0	18000	2
1	20000	1
2	30000	3
3	40000	4
4	50000	0

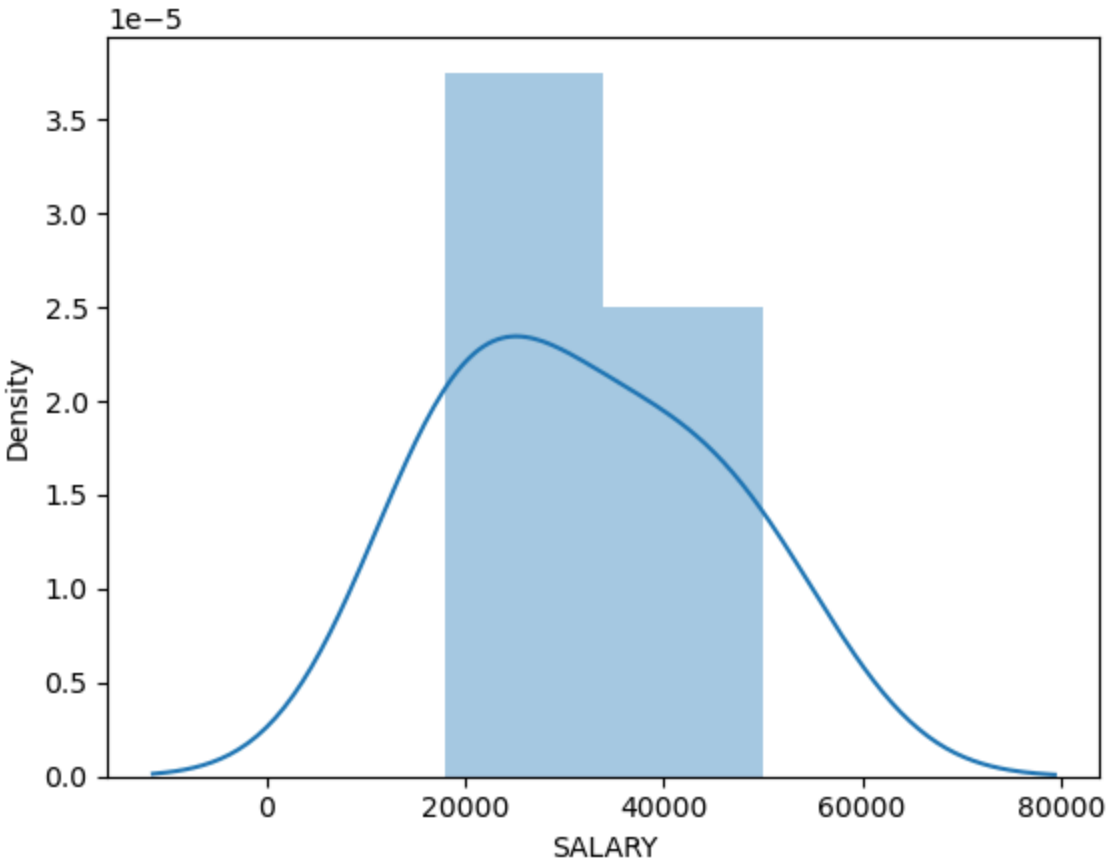
In [61]:
```
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

In [69]:
```
v1 = sns.displot(e['SALARY'])
```

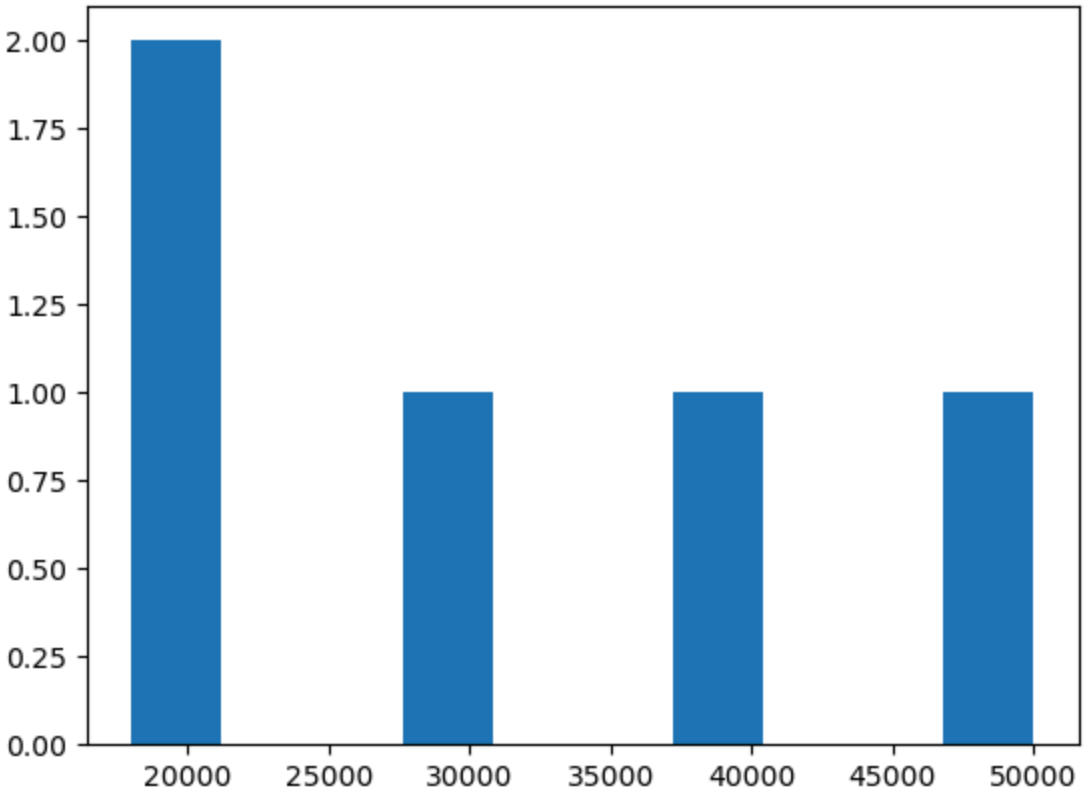


In [71]:
```
v2 = sns.distplot(e['SALARY'])
```

```
C:\Users\bikas\AppData\Local\Temp\ipykernel_11396\553667288.py:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  v2 = sns.distplot(e['SALARY'])
```

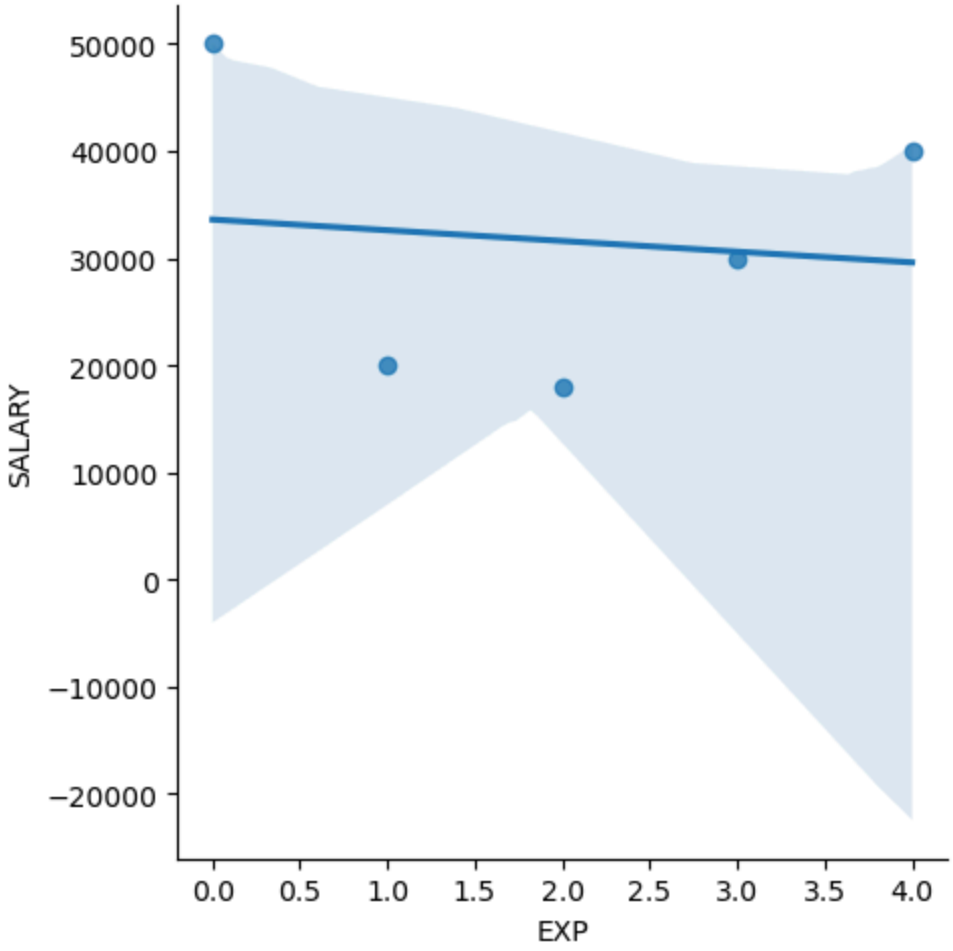


In [75]:
```
v3 = plt.hist(e['SALARY'])
```

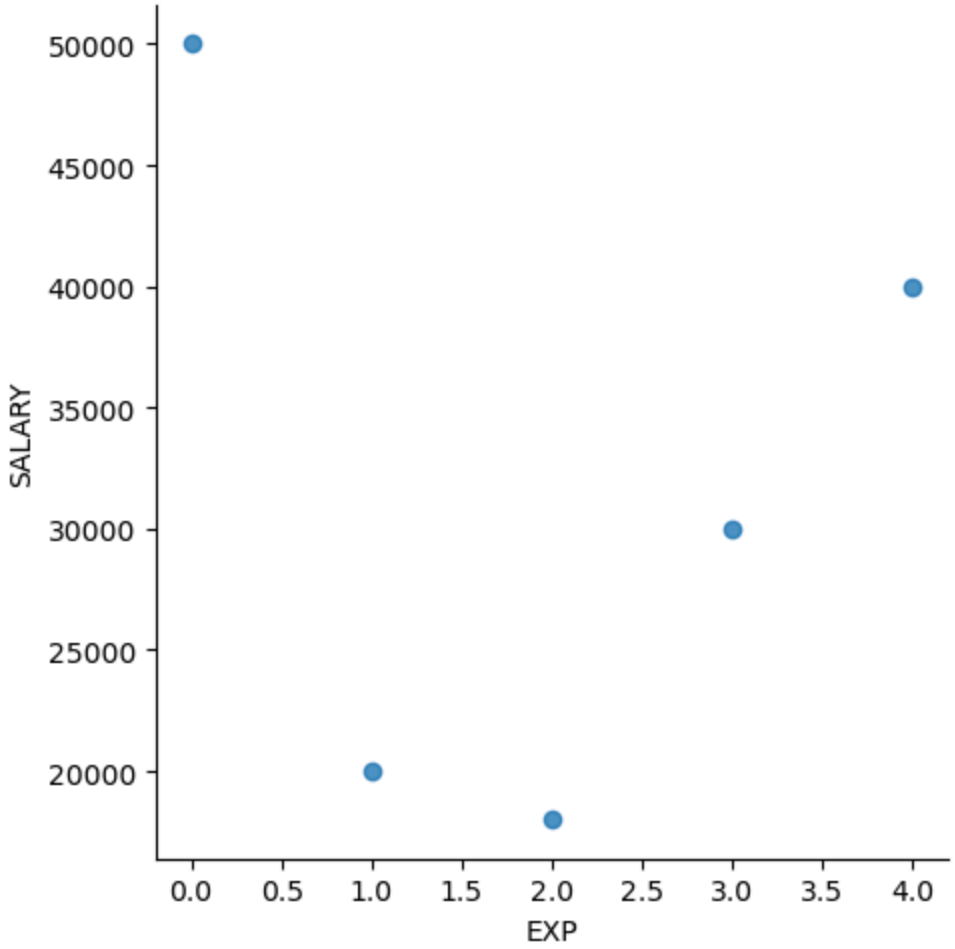


In [81]:
```
v4 = plt.rcParams['figure.figsize']=1,1
```

In [87]:
```
v5 = sns.lmplot(data = e, x = 'EXP', y = 'SALARY')
```



In [89]:
```
v6 = sns.lmplot(data = e , x = 'EXP', y = 'SALARY',fit_reg = False)
```



In [ ]:
```
v7 = sns.lmplot(data = e, x = 'EXP', y = 'SALARY', fit_
```

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

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In [ ]: