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

workbook = openyxl.Workbook()
sheet = workbook.active

data = [
    ['NAME','DOMAIN','AGE','LOCATION','SALARY','EXP'],
    ['ALEX','TESTING',25,'BNG',5000,2],
    ['BARB','JAVA',30,'CHE',10000,3],
    ['CHERRY','C',35,'PUNE',15000,5],
    ['DIPAN','DA',38,'MUMBAI',20000,5],
    ['ESWAR','DS',40,'HYD',50000,6]
]

for row in data:
    sheet.append(row)

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

In [19]:
```
data
```

Out[19]:
```
[['NAME', 'DOMAIN', 'AGE', 'LOCATION', 'SALARY', 'EXP'],
 ['ALEX', 'TESTING', 25, 'BNG', 5000, 2],
 ['BARB', 'JAVA', 30, 'CHE', 10000, 3],
 ['CHERRY', 'C', 35, 'PUNE', 15000, 4],
 ['DIPAN', 'DA', 38, 'MUMBAI', 20000, 5],
 ['ESWAR', 'DS', 40, 'HYD', 50000, 6]]
```

In [21]:
```
import os
os.getcwd()
```

Out[21]:
```
'C:\\Users\\user'
```

In [29]:
```
emp = pd.read_excel(r'C:\\Users\\user\\data.xlsx')
emp
```

Out[29]:

	NAME	DOMAIN	AGE	LOCATION	SALARY	EXP
0	ALEX	TESTING	25	BNG	5000	2
1	BARB	JAVA	30	CHE	10000	3
2	CHERRY	C	35	PUNE	15000	4
3	DIPAN	DA	38	MUMBAI	20000	5
4	ESWAR	DS	40	HYD	50000	6

In [31]:
```
emp.shape
```

Out[31]:
```
(5, 6)
```

In [33]:
```
emp.columns
```

Out[33]:
```
Index(['NAME', 'DOMAIN', 'AGE', 'LOCATION', 'SALARY', 'EXP'], dtype='object')
```

In [35]:
```
len(emp)
```

Out[35]:
```
5
```

In [37]:
```
emp
```

Out[37]:

	NAME	DOMAIN	AGE	LOCATION	SALARY	EXP
0	ALEX	TESTING	25	BNG	5000	2
1	BARB	JAVA	30	CHE	10000	3
2	CHERRY	C	35	PUNE	15000	4
3	DIPAN	DA	38	MUMBAI	20000	5
4	ESWAR	DS	40	HYD	50000	6

In [39]:
```
emp['SALARY']
```

Out[39]:
```
0     5000
1    10000
2    15000
3    20000
4    50000
Name: SALARY, dtype: int64
```

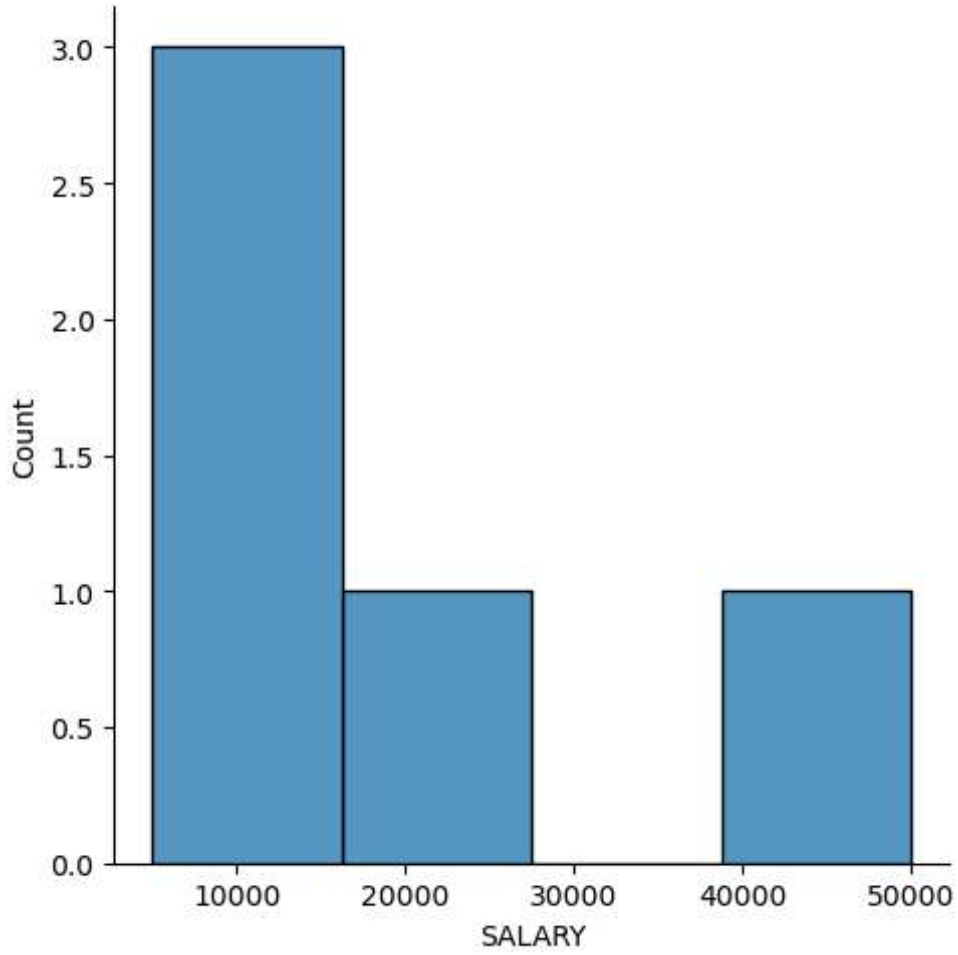
In [45]:
```
emp[['SALARY','EXP']]
```

Out[45]:

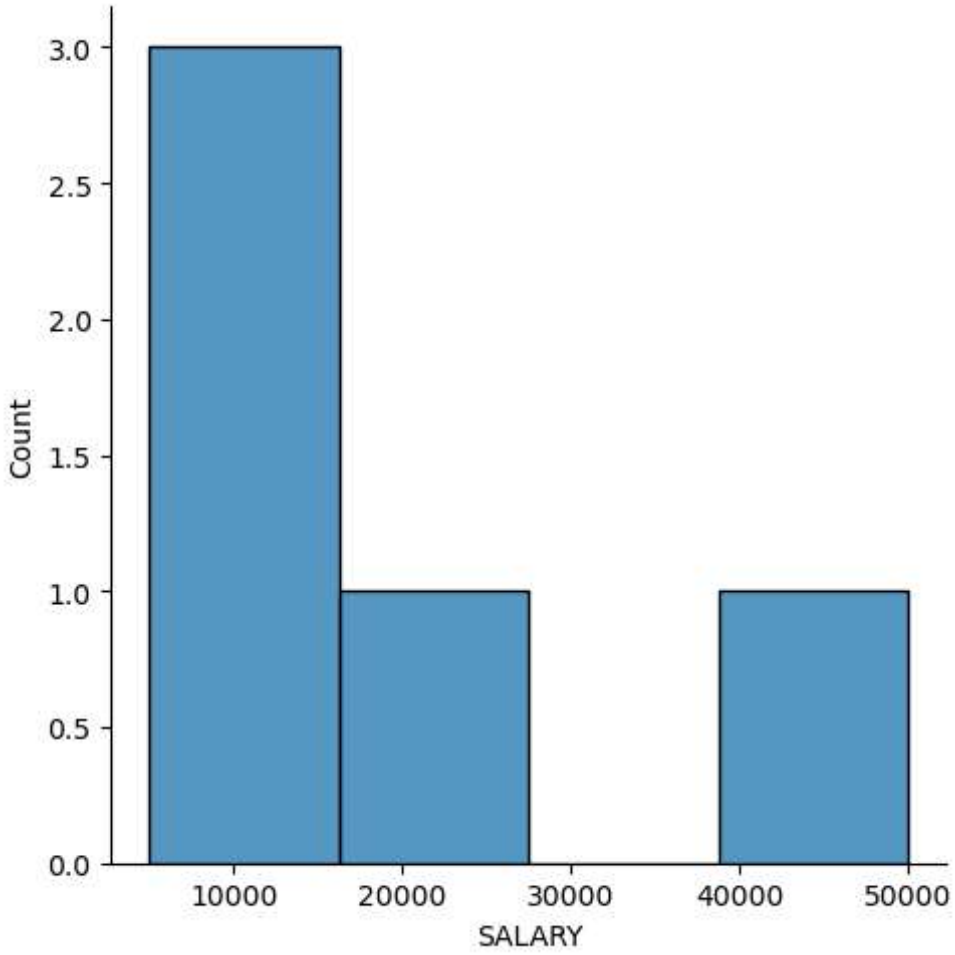
	SALARY	EXP
0	5000	2
1	10000	3
2	15000	4
3	20000	5
4	50000	6

In [49]:
```
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

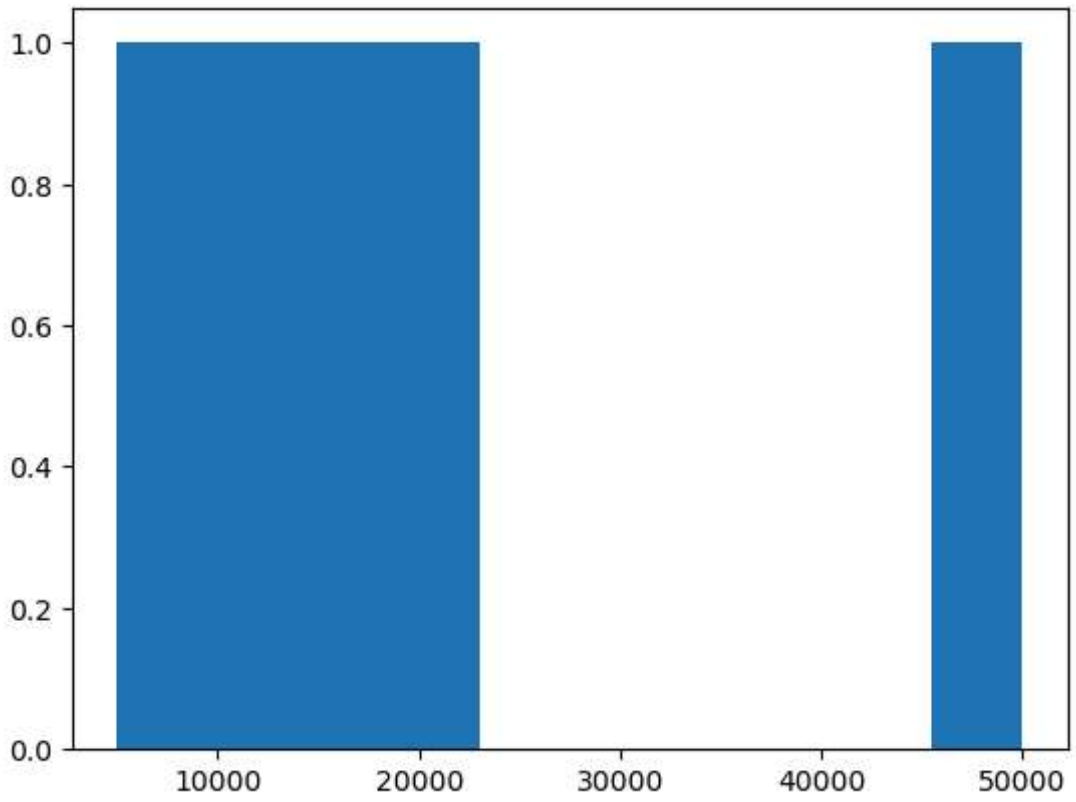
In [53]:
```
vis1 = sns.displot(emp['SALARY'])
```



In [55]:
```
vis2 = sns.displot(emp['SALARY'])
```



In [57]:
```
vis3 = plt.hist(emp['SALARY'])
```



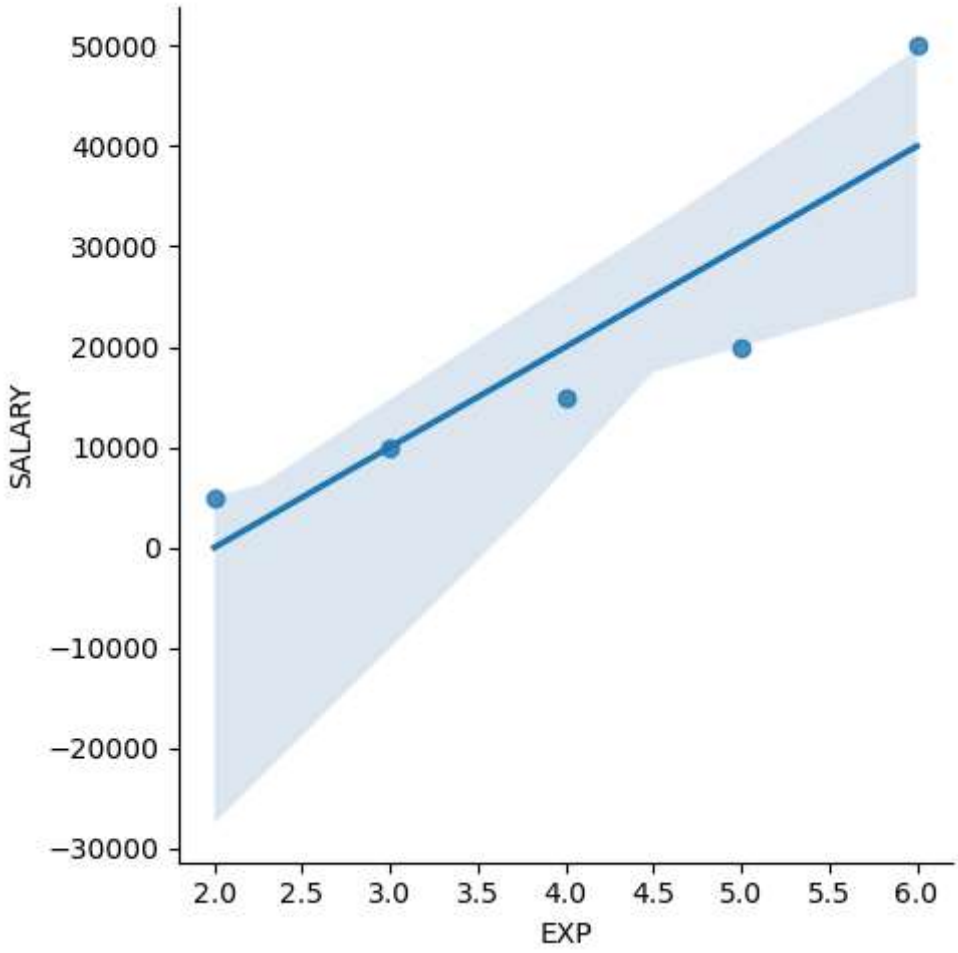
In [59]:
```
emp
```

Out[59]:

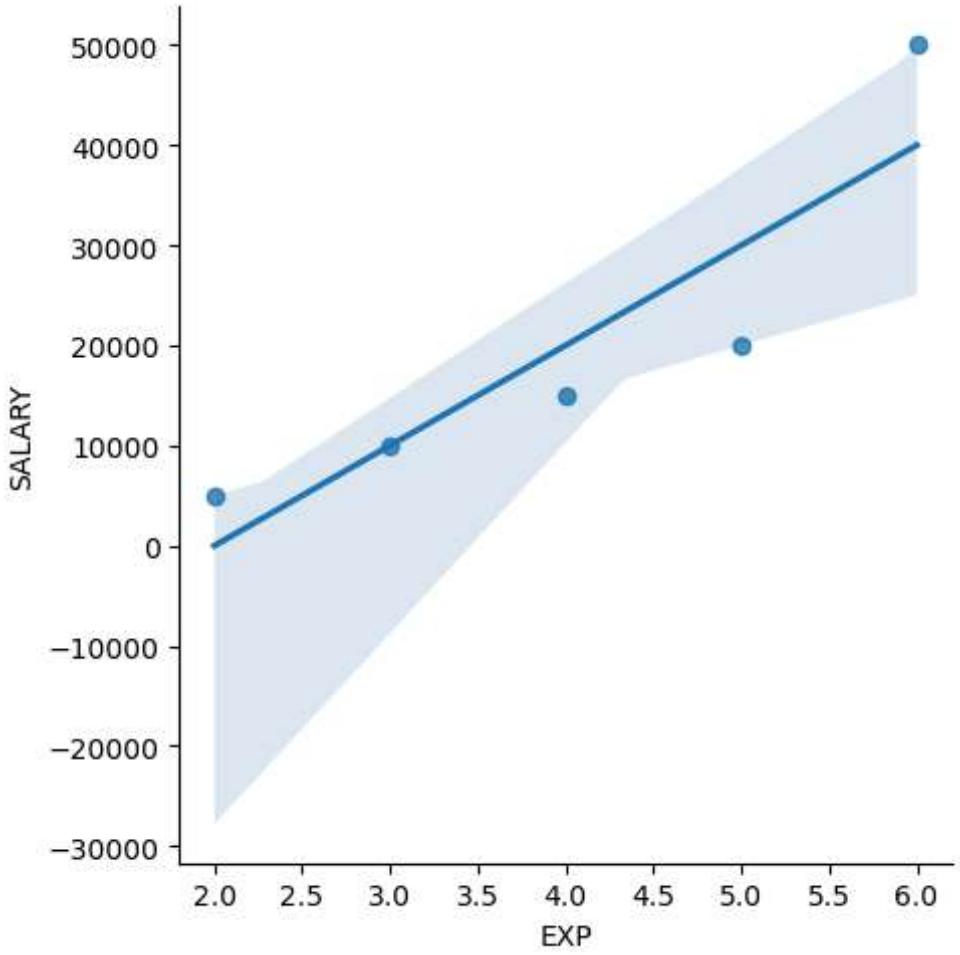
	NAME	DOMAIN	AGE	LOCATION	SALARY	EXP
0	ALEX	TESTING	25	BNG	5000	2
1	BARB	JAVA	30	CHE	10000	3
2	CHERRY	C	35	PUNE	15000	4
3	DIPAN	DA	38	MUMBAI	20000	5
4	ESWAR	DS	40	HYD	50000	6

In [61]:
```
plt.rcParams['figure.figsize'] = 5,1
```

In [63]:
```
vis5 = sns.lmplot(data=emp, x = 'EXP', y = 'SALARY')
```



In [65]:
```
vis6 = sns.lmplot(data=emp, x = 'EXP', y = 'SALARY', fit_reg = True)
```



MINI PROJECT IS COMPLETED