```
In [2]:
1 #Data
  revenue = [14574.49, 7606.46, 8611.41, 9175.41, 8058.65, 8105.44, 11496.28, 9766.09, 10305.32, 14379.96, 10713.97
 3 expenses = [12051.82, 5695.07, 12319.20, 12089.72, 8658.57, 840.20, 3285.73, 5821.12, 6976.93, 16618.61, 10054.37
In [31:
1 profit = [revenue[i] - expenses[i] for i in range(len(revenue))]
3 print(profit)
4]
In [6]:
   profit = [2522.67, 1911.39, -3707.79, -2914.31, -599.92, 7265.24, 8210.55, 3944.97, 3328.39, -2238.65, 659.60, 11
1
 2
   tax_rate = 0.30
4 tax = [p * tax_rate for p in profit]
 6 print(tax)
3.491, 998.516999999999, -671.595, 197.88, 3488.862]
In [8]:
1 profit_aftertax=[profit[i] - tax[i] for i in range(len(profit))]
 2 profit_aftertax
Out[81:
[1765.8690000000001,
1337.973,
-2595.453
-2040.0169999999998,
-419.94399999999996,
5085.668,
5747.385,
2761.479,
2329.873
-1567.055
461.72,
8140.678000000001]
In [9]:
 1 profit_margin=[profit_aftertax[i] / revenue[i] for i in range(len(profit_aftertax))]
 2 profit_margin
Out[9]:
[0.1211616324138958,
0.17589956431769838
-0.30139698376920854,
-0.22233524169492153,
-0.05211096151340485.
0.6274388558795081
0.49993432658216397,
0.2827619856052934,
0.22608448840016615
-0.10897492065346497,
0.043095136536689956,
0.52746804030194061
```

```
In [20]:
 1 profit_margin_percentage = [round(profit_margin * 100, 2) for profit_margin in profit_margin]
   profit_margin_percentage
 3
Out[20]:
[12.12,
17.59,
 -30.14,
 -22.23,
 -5.21.
 62.74,
 49.99,
 28.28.
 22.61.
 -10.9,
 4.31,
52.751
In [23]:
 1 mean_profit_after_tax = sum(profit_aftertax) / len(profit_aftertax)
 2 mean_profit_after_tax
Out[23]:
1750.6813333333332
In [26]:
 1 max_profit_after_tax = max(profit_aftertax)
 2 max_profit_after_tax
Out[26]:
8140.678000000001
In [31]:
 1 good_month = [profit_aftertax > mean_profit_after_tax for profit_aftertax in profit_aftertax]
 3 good_month
Out[31]:
[True, False, False, False, True, True, True, True, False, False, True]
In [33]:
 1 Worse month = [profit aftertax < mean profit after tax for profit aftertax in profit aftertax]
 2 Worse_month
Out[33]:
[False, True, True, True, True, False, False, False, False, True, True, False]
In [38]:
 1 months = ['January', 'February', 'March', 'April', 'May', 'June', 'July', 'August', 'September', 'October', 'Nove
 2 best_month = [month for month, profit in zip(months, profit_aftertax) if profit == max(profit_aftertax)]
 4 best month
Out[38]:
['December']
In [39]:
 1 revenue_thousand = [amount / 1000 for amount in revenue]
 3 print(revenue_thousand)
[14.5744899999999, 7.60646, 8.61141, 9.17541, 8.05865, 8.10544, 11.49628, 9.76609, 10.30532, 14.379959 99999999, 10.71397, 15.4335]
In [45]:
 1 rounded_revenue = [round(i, 2) for i in revenue_thousand]
 3 print(rounded_revenue)
[14.57, 7.61, 8.61, 9.18, 8.06, 8.11, 11.5, 9.77, 10.31, 14.38, 10.71, 15.43]
```

```
In [40]:
 1 profit_thousand=[amount / 1000 for amount in profit]
 2 profit_thousand
Out[40]:
[2.52267,
1.9113900000000001,
-3.70779,
 -2.91431,
-0.59992.
7.2652399999999995,
8.21055,
3.9449699999999996,
3.3283899999999997
-2.23865000000000003
0.6596000000000001,
11.62954]
In [43]:
 1 rounded_profit = [round(profit, 2) for profit in profit_thousand]
 3 print(rounded_profit)
[2.52, 1.91, -3.71, -2.91, -0.6, 7.27, 8.21, 3.94, 3.33, -2.24, 0.66, 11.63]
In [41]:
 1 expenses_thousand=[amount / 1000 for amount in expenses]
 2 expenses_thousand
Out[41]:
[12.05182,
 5.695069999999999,
12.3192,
12.08972,
8.65857,
0.8402000000000001,
3.28573,
5.82112.
6.97693,
16.61861,
10.05437,
3.80396]
In [46]:
 1 rounded_expenses = [round(i, 2) for i in expenses_thousand]
 3 print(rounded_expenses)
[12.05, 5.7, 12.32, 12.09, 8.66, 0.84, 3.29, 5.82, 6.98, 16.62, 10.05, 3.8]
In [42]:
 1 profit_margin_thousand=[amount / 1000 for amount in profit_margin]
 2 profit_margin_thousand
Out[42]:
[0.0001211616324138958,
0.00017589956431769837
-0.00030139698376920856.
-0.00022233524169492153,
 -5.211096151340485e-05,
0.0006274388558795081,
0.0004999343265821639,
0.0002827619856052934,
0.00022608448840016616,
-0.00010897492065346497
4.3095136536689954e-05,
0.0005274680403019406]
In [47]:
 1 rounded_profit_margin = [round(i, 2) for i in profit_margin_thousand]
 3 print(rounded_profit_margin)
```

In []:
 1