

# TASK 4

## CODE

```
File Edit Selection View Go Run Terminal Help Search
task4.py X
C:\Users\Acer> OneDrive Desktop Final year project Timetable-Management-System-master (1) Timetable-Management-System-master task4.py
1 import pandas as pd
2 import seaborn as sns
3 import matplotlib.pyplot as plt
4
5 data = {
6     'Age': [25, 30, 35, 40, 45, 50, 55, 60, 65, 70],
7     'Salary': [3000, 3200, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 7000],
8     'Hours worked': [40, 42, 38, 44, 46, 40, 39, 45, 41, 43]
9 }
10 df = pd.DataFrame(data)
11
12
13 plt.figure(figsize=(12, 5))
14 for i, column in enumerate(df.columns, 1):
15     plt.subplot(1, len(df.columns), i)
16     sns.histplot(df[column], kde=True, bins=10, color='skyblue')
17     plt.title(f'Distribution of {column}')
18     plt.xlabel(column)
19 plt.tight_layout()
20 plt.show()
21
22 plt.figure(figsize=(12, 5))
23 for i, column in enumerate(df.columns, 1):
24     plt.subplot(1, len(df.columns), i)
25     sns.boxplot(y=df[column], color='lightcoral')
26     plt.title(f'Boxplot of {column}')
27     plt.ylabel(column)
28 plt.tight_layout()
29 plt.show()
30
```

func(x=x, y=y, \*\*kwargs)  
C:\Python312\Lib\site-packages\seaborn\axisgrid.py:1615: UserWarning: Ignoring 'palette' because no 'hue' variable has been assigned.  
func(x=x, y=y, \*\*kwargs)  
func(x=x, y=y, \*\*kwargs)  
func(x=x, y=y, \*\*kwargs)  
PS C:\Users\Acer>

Python  
Python: main  
Python: task 3  
Python: task 4

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## OUTPUT





