

# Machine Learning Programming

PROG8245

## LAB 1 - Anomaly Detection

Name: Fasalu Rahman Kottaparambu

StdID: 8991782

Item	Explanation
Correct answer	<b>A.</b> Excludes all occurrences of the sampled value. Sample size is one, no duplication.
Why the other nine are wrong	<b>B.</b> Includes single-occurrence values. Not limited to duplicates.  <b>C.</b> Output isn't empty. Zero deviation flags non-sampled values.  <b>D.</b> Multiple elements returned. Not just largest transaction.  <b>E.</b> More than smallest, largest included. Has ten elements.  <b>F.</b> Misses sampled value. Not full list.  <b>G.</b> Keeps values exceeding threshold. Not less than.  <b>H.</b> No error. Sets $\sigma=0$ for one-element sample.  <b>I.</b> Includes all qualifying transactions. Not just first.  <b>J.</b> Output contains integers. Not strings.

### Screenshot:

```
19 | 97, 95, 420, 101, 99]
20 | result = flag_anomalies(transactions, student_id="8991 782") # ← replace with YOUR ID
21 | print(result)

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\fasal\Desktop\Class\Machine-Learning-Programming\Assignment_1> & "C:/Program Files/Python313/python.exe" c:/Users/fasal/Desktop/Class/Machine-Learning-Programming/Assignment_1/anomaly_lab.py
[102, 98, 97, 99, 100, 250, 97, 95, 420, 99]
PS C:\Users\fasal\Desktop\Class\Machine-Learning-Programming\Assignment_1>
```