

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure with files: `timing_test.cpp`, `array_test.cpp` (selected), `README.md`, `array_test.cpp`, and `receipt_bag_test.cpp`.
- Terminal:** Displays the output of a program. The first line is `1`. The second line shows `4096 0.012`. The third line is `=== Testing VectorGrow4 (start 128, grow x4) ===`. The fourth line is a table header: 

Size	Time (ms)
2	0.001
4	0
8	0
16	0.001
32	0.001
64	0.001
128	0.001
256	0.002
512	0.003
1024	0.004
2048	0.006
4096	0.022

. The prompt `PS C:\Users\jsyn1>` is visible.
- Output Panel:** Shows a file named `cl.exe b...` with a checkmark.
- Status Bar:** Shows the file is `llama.vscorde` at `Ln 1, Col 1` with `Spaces: 4`, `UTF-8`, `LF`, and `{}` C++ code analysis mode.

Timint\_test

```
1
Vector Performance Comparison
=====

=== Testing Base Vector (for-loop copy) ===
Size    Time (ms)
2       0.002
4       0
8       0
16      0.001
32      0.001
64      0.003
128     0.002
256     0.003
512     0.003
1024    0.005
2048    0.008
4096    0.026

=== Testing VectorCopy (STL copy) ===
Size    Time (ms)
2       0
4       0.001
8       0
16      0
32      0.001
64      0.004
128     0.003
256     0.004
512     0.005
1024    0.006
2048    0.015
4096    0.019

=== Testing VectorGrow4 (start 128, grow x4) ===
1024    0.005
2048    0.008
4096    0.026

=== Testing VectorCopy (STL copy) ===
Size    Time (ms)
2       0
4       0.001
8       0
16      0
32      0.001
64      0.004
128     0.003
256     0.004
512     0.005
1024    0.006
2048    0.015
4096    0.019

=== Testing VectorGrow4 (start 128, grow x4) ===
Size    Time (ms)
2       0.001
4       0
8       0
16      0.001
32      0.001
64      0.001
128     0.001
256     0.002
512     0.003
1024    0.005
2048    0.006
4096    0.02
```

## ReceiptBag Class Test

The screenshot shows a Visual Studio Code window with a C++ project. The terminal output is as follows:

```

ReceiptBag Class Test
=====
Inserting items into bag...
Inserted Apple (receipt: 1)
Inserted Banana (receipt: 2)
Inserted Cherry (receipt: 3)
Inserted Date (receipt: 4)

Bag size: 4
Is empty: No

Removing items...
Removed: Banana (using receipt 2)
Removed: Date (using receipt 4)

Bag size after removals: 2

Trying to remove with invalid receipt...
Error: Invalid receipt

Receipt validation:
Receipt 1 is valid: Yes
Receipt 2 is valid: No
Receipt 3 is valid: Yes
PS C:\Users\jsyn1>

```