

Visual Studio Code interface showing a C++ file named `isha.c` and its execution output.

Code Editor:

```
192 }
193 getch();
194 fclose(f);
195 }
196 void modifyrecords()
197 {
198     FILE *f;
199     char phonenum[20];
200     long int size=sizeof(s);
201     if(f=fopen("c:/file.nis","r+"))==NULL)
```

TERMINAL:

Flat profile:

Each sample counts as 0.01 seconds.
no time accumulated

| % time | cumulative seconds | self seconds | calls | self Ts/call | total Ts/call | name |
|--------|--------------------|--------------|-------|--------------|---------------|-------------|
| 0.00 | 0.00 | 0.00 | 1 | 0.00 | 0.00 | addrecords |
| 0.00 | 0.00 | 0.00 | 1 | 0.00 | 0.00 | listrecords |

Legend:

- % time: the percentage of the total running time of the program used by this function.
- cumulative seconds: a running sum of the number of seconds accounted for by this function and those listed above it.
- self seconds: the number of seconds accounted for by this function alone. This is the major sort for this listing.
- calls: the number of times this function was invoked, if this function is profiled, else blank.
- self ms/call: the average number of milliseconds spent in this function per call, if this function is profiled, else blank.
- total ms/call: the average number of milliseconds spent in this function and its descendents per call, if this function is profiled, else blank.

CALL STACK:

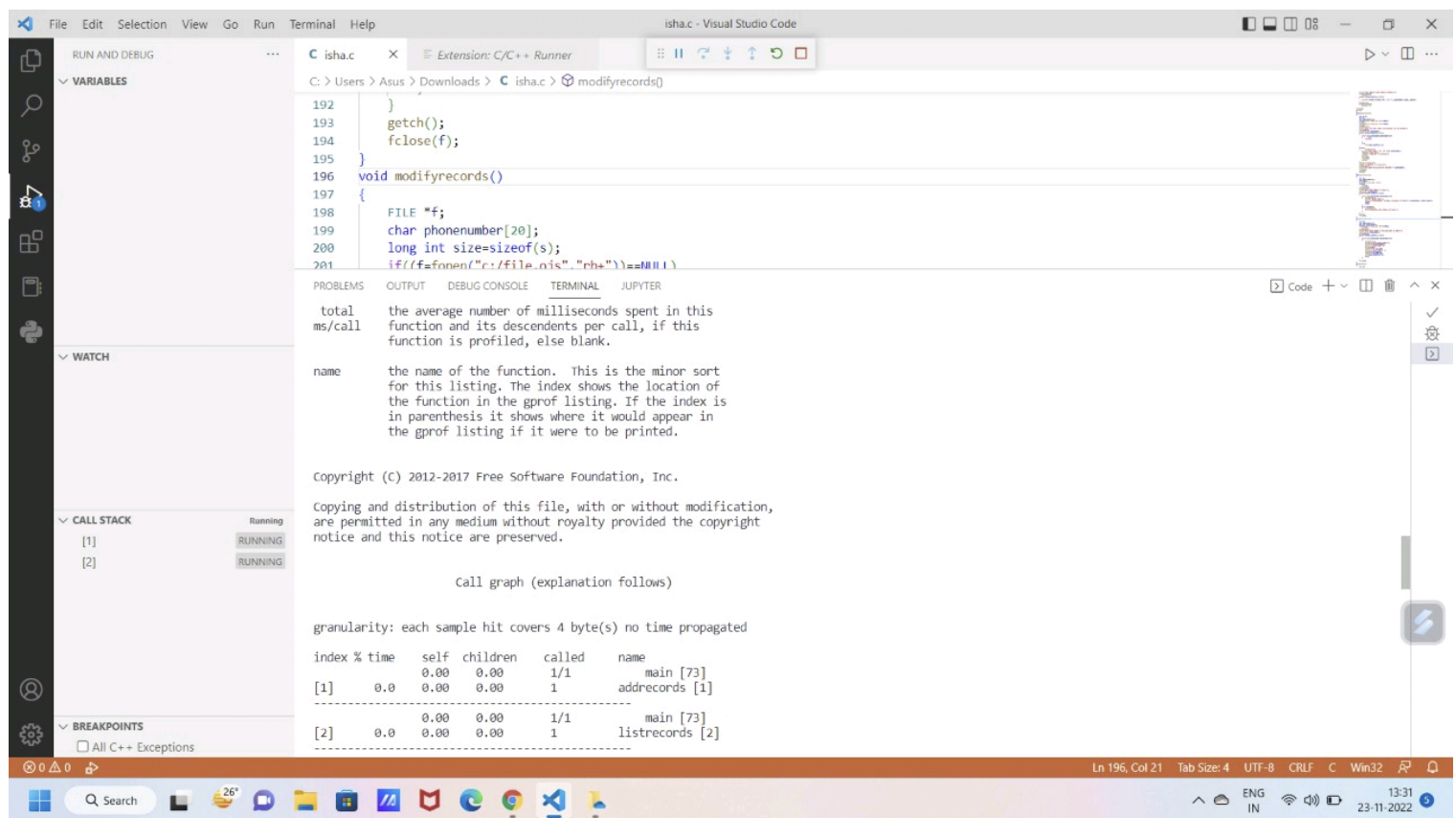
- [1] RUNNING
- [2] RUNNING

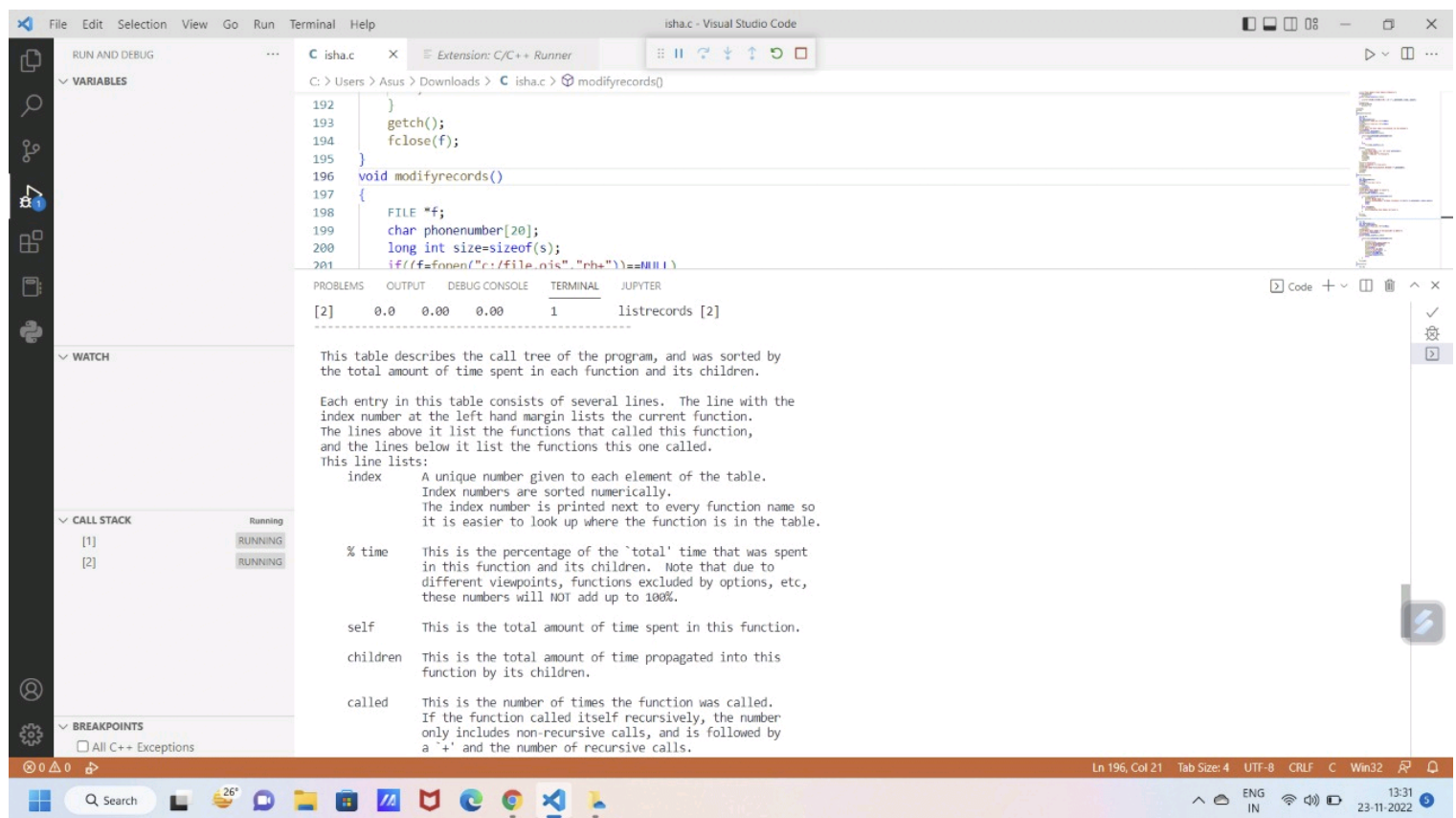
BREAKPOINTS:

- ☐ All C++ Exceptions

Status Bar: Ln 196, Col 21 | Tab Size: 4 | UTF-8 | CRLF | C | Win32

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File: `isha.c` (Extension: C/C++ Runner)

Code Snippet:

```
192 }
193 getch();
194 fclose(f);
195 }
196 void modifyrecords()
197 {
198     FILE *f;
199     char phonenum[20];
200     long int size=sizeof(s);
201     if((f=fopen("c:/file.nis","r+"))==NULL)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

only includes non-recursive calls, and is followed by a '+' and the number of recursive calls.

name The name of the current function. The index number is printed after it. If the function is a member of a cycle, the cycle number is printed between the function's name and the index number.

For the function's parents, the fields have the following meanings:

self This is the amount of time that was propagated directly from the function into this parent.

children This is the amount of time that was propagated from the function's children into this parent.

called This is the number of times this parent called the function '/' the total number of times the function was called. Recursive calls to the function are not included in the number after the '/'.

name This is the name of the parent. The parent's index number is printed after it. If the parent is a member of a cycle, the cycle number is printed between the name and the index number.

If the parents of the function cannot be determined, the word '<spontaneous>' is printed in the 'name' field, and all the other fields are blank.

CALL STACK (Running)

- [1] RUNNING
- [2] RUNNING

BREAKPOINTS

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Code Editor:

```
192     }
193     getch();
194     fclose(f);
195 }
196 void modifyrecords()
197 {
198     FILE *f;
199     char phonenumber[20];
200     long int size=sizeof(s);
201     if((f=fopen("c:/file.nis","r+"))==NULL)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

called This is the number of times the function called this child '/' the total number of times the child was called. Recursive calls by the child are not listed in the number after the '/'.

name This is the name of the child. The child's index number is printed after it. If the child is a member of a cycle, the cycle number is printed between the name and the index number.

If there are any cycles (circles) in the call graph, there is an entry for the cycle-as-a-whole. This entry shows who called the cycle (as parents) and the members of the cycle (as children.) The '+' recursive calls entry shows the number of function calls that were internal to the cycle, and the calls entry for each member shows, for that member, how many times it was called from other members of the cycle.

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Index by function name

[1] addrecords [2] listrecords

PS C:\Users\Asus\Downloads>

CALL STACK

| Function | State |
|----------|---------|
| [1] | RUNNING |
| [2] | RUNNING |

BREAKPOINTS

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200     long int size=sizeof(s);
201     if((f=fopen("c:/file.nis","r+"))==NULL)
```

TERMINAL:

fields are blank.

For the function's children, the fields have the following meanings:

| Field | Description |
|----------|---|
| self | This is the amount of time that was propagated directly from the child into the function. |
| children | This is the amount of time that was propagated from the child's children to the function. |
| called | This is the number of times the function called this child '/' the total number of times the child was called. Recursive calls by the child are not listed in the number after the '/'. |
| name | This is the name of the child. The child's index number is printed after it. If the child is a member of a cycle, the cycle number is printed between the name and the index number. |

If there are any cycles (circles) in the call graph, there is an entry for the cycle-as-a-whole. This entry shows who called the cycle (as parents) and the members of the cycle (as children.) The '+' recursive calls entry shows the number of function calls that were internal to the cycle, and the calls entry for each member shows, for that member, how many times it was called from other members of the cycle.

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