Lab 6 Program 3

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ACEM

Coding Journey Summary:

⏱ 3 minutes 20 seconds of active typing | 5 minutes 56 seconds total duration

📄 609 characters | 38 lines

📈 Typing speed: 47 character(s) per minute | Revisions: 40 (logging interval: 5 seconds)

📊 Interactive version of this report is available here.

Final Code

If the code contains more than one file, they are concatenated and shown.

```cpp
==+==
FILE: Main.cpp
==+==

/* Virtual Class */
#include <iostream>
using namespace std;

class shape
{
    int length;
    int breadth;

    public:
    int area;
    void getdata()
    {
        cin>>length;
        cin>>breadth;
    }

    void calc_area()
    {
        area=length*breadth;
    }

    virtual void display_area()
    {
        cout<<"Area is 0";
    }

};

class rectangle:public shape
{
    public:
    void display_area()
    {
        cout<<"Area is "<<area<<endl;
    }
};

int main() {
    rectangle R1;
    R1.getdata();
    R1.calc_area();
    R1.display_area();
    return 0;
};
```

Final Execution Output
Output of the most recent code execution.

```
Area is 15
```

Inputs to the Code
Most recent user-typed inputs to the program (STDIN).

```
3
5
```

Most Common Error
The most common error that occured during the coding process; "null" (if any) indicates no errors.

```
EXCEPTION:
main.cpp: In member function 'virtual void rectangle::display_area()':
main.cpp:34:27: error: 'area' was not declared in this scope
   34 |         cout<<"Area is "<<area<<endl;
      |                           ^~~~
```
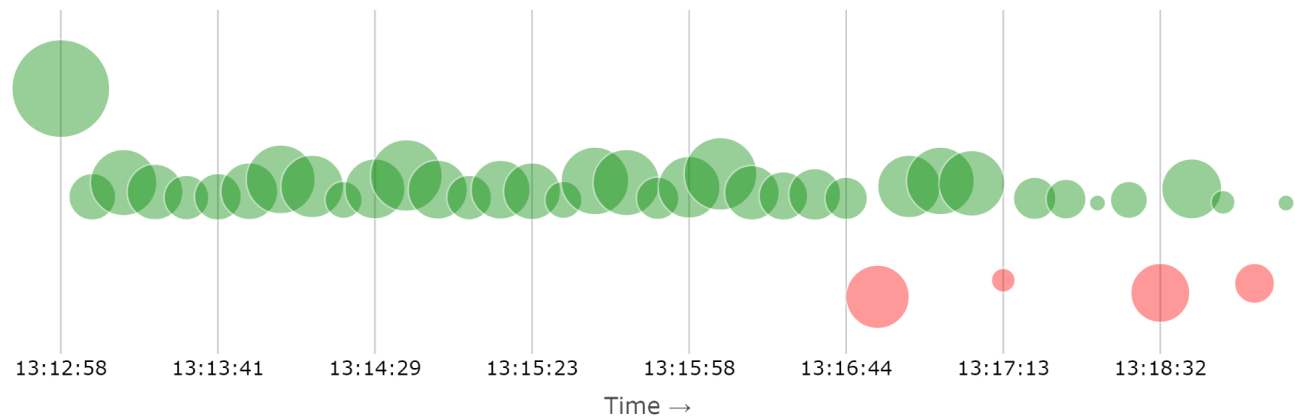
Active Sessions

Active typing sessions while working on the task, shown as green bars.

Active: 4 minutes 48 seconds 2024-02-12 13:12:58	Thinking: 35 seconds 2024-02-12 13:17:47	Active: 31 seconds 2024-02-12 13:18:22

Text Added or Removed Over Time

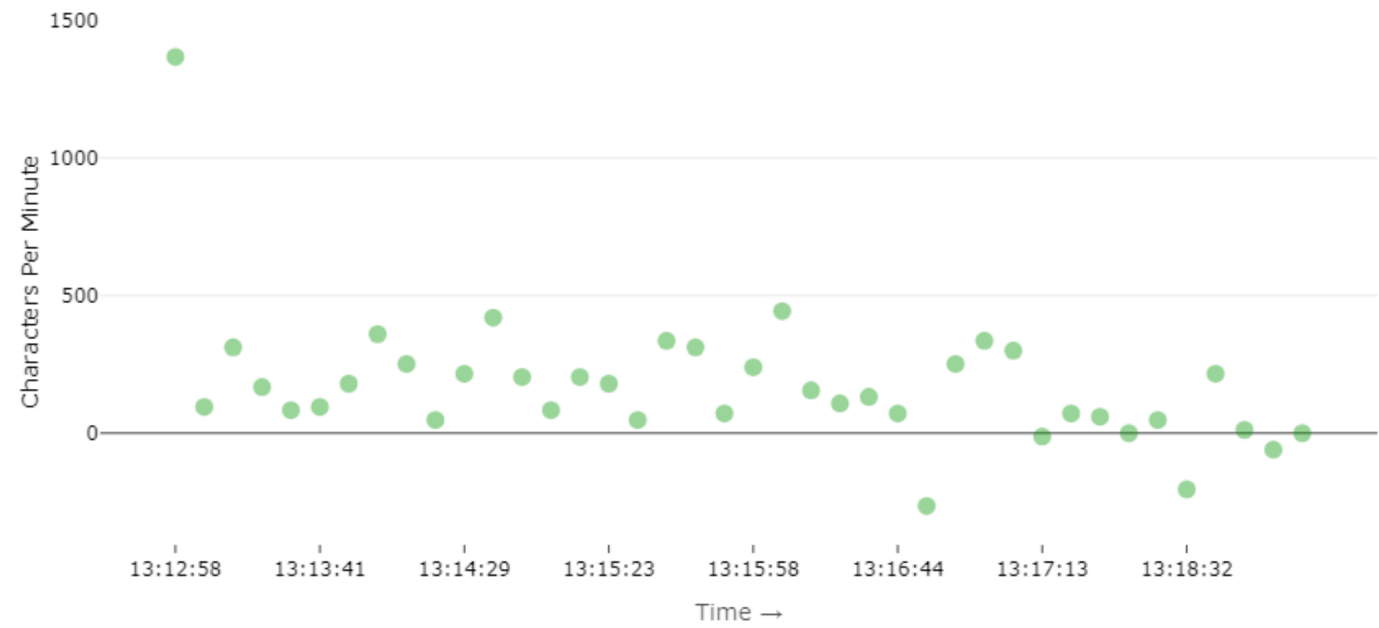Green and red circles show text add and removed; size of the circle shows change in the number of characters.

13:12:58   13:13:41   13:14:29   13:15:23   13:15:58   13:16:44   13:17:13   13:18:32

Time →

Code Executions

Green and red dots correspond to successful and failed executions.

13:12:58   13:17:16   13:17:36   13:17:47   13:18:22   13:19:5

Time →

Typing Speed

Typing speed can be negative when text is deleted.

Edited Line Locations

Each edited line block is assigned a color; highlighted bars show the line(s) edited at that revision.