Lab 6 Program 1

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ACEM

Coding Journey Summary:

⏱ 10 minutes 5 seconds of active typing | 23 minutes 53 seconds total duration

📄 1190 characters | 76 lines

📈 Typing speed: 34 character(s) per minute | Revisions: 121 (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
==+==

/* WAP TO ILLUSTRATE SINGLE, MULTIPLE, MULTILEVEL, HEIRARCHIAL INHERITANCE */

#include <iostream>
using namespace std;

class base
{
    int x;

    public:
    void display()
    {
        cout<<x<<endl;
    }

    void input()
    {
        cin>>x;
    }
};

class base1
{
    int y;

    public:
    void display1()
    {
        cout<<y<<endl;
    }
}
```

```cpp
    void input1()
    {
        cin>>y;
    }
};

class heirarchial2:public base{
    int z;

    public:
    void getdata()
    {
    cin>>z;
    }

    void showdata()
    {
    cout<<z<<endl;
    }
};

class heirarchial1:public base{};

class multiple:public base,public base1{};

class multilevel:public heirarchial2{};

class ABC
{
    int x=5;

    public:
    void display()
    {
        cout<<x;
    }
};

class single:public ABC{};

int main() {
    base A1;
    heirarchial2 B1;
    multiple C1;
    A1.input();
    B1.input();
    A1.display();
    B1.display();
    C1.input();
    C1.input1();
    C1.display();
    multilevel D1;
    D1.input();
    D1.getdata();
    D1.showdata();
    heirarchial1 E1;
    E1.input();
```

```
        E1.display();
        single F1;
        F1.display();
        return 0;
    };
```

Final Execution Output
Output of the most recent code execution.

```
5
6
7
10
11
5
```

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

```
5
6
7
8
9
10
11
```

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

EXCEPTION:
main.cpp:68:2: error: expected ';' after class definition
    68 | }
       | ^
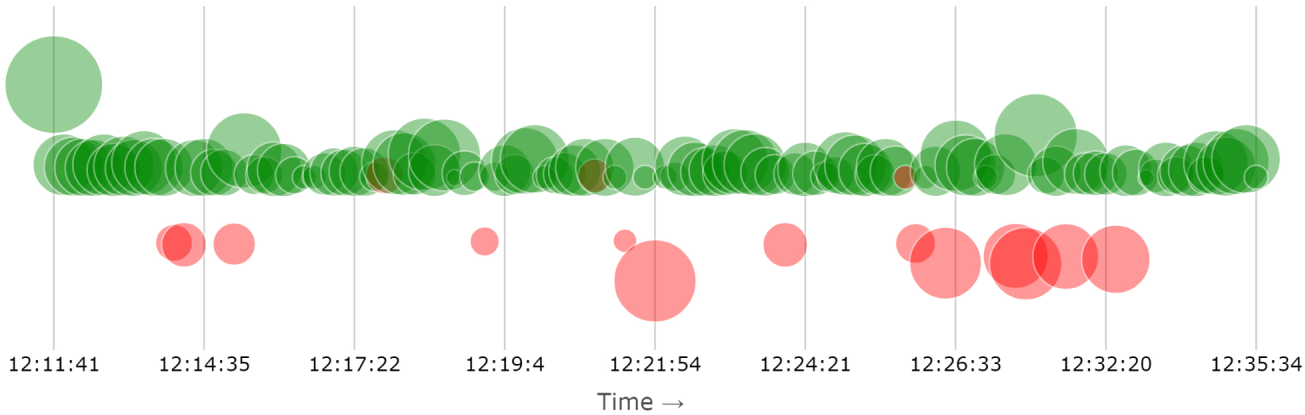 | ;

Active Sessions

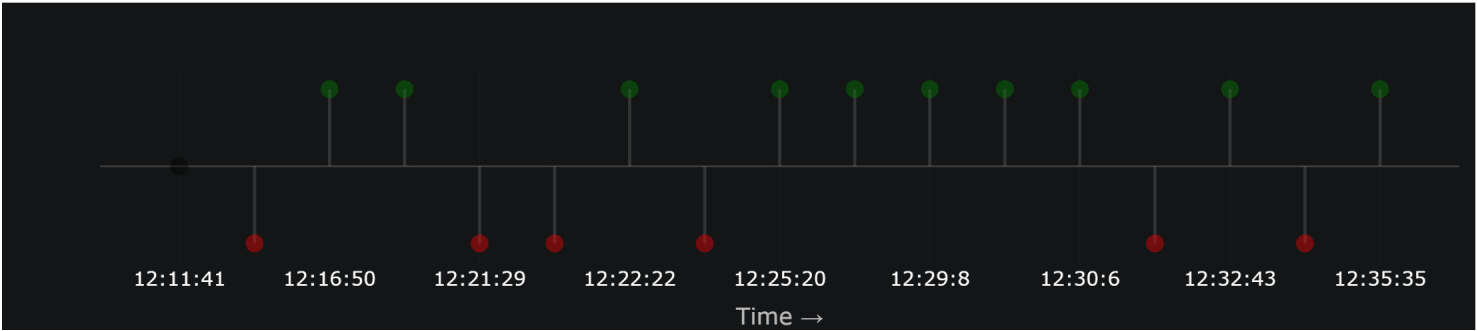Active typing sessions while working on the task, shown as green bars.

Active: 2 minutes 2 seconds 2024-02-12 12:11:41	Active: 4 minutes 27 seconds 2024-02-12 12:16:46	Active: 5 minutes 26 seconds 2024-02-12 12:22:54	Thinking: 3 minutes 4 seconds 2024-02-12 12:29:08	Thinking: 1 minute 22 seconds 2024-02-12 12:32:54

Text Added or Removed Over Time

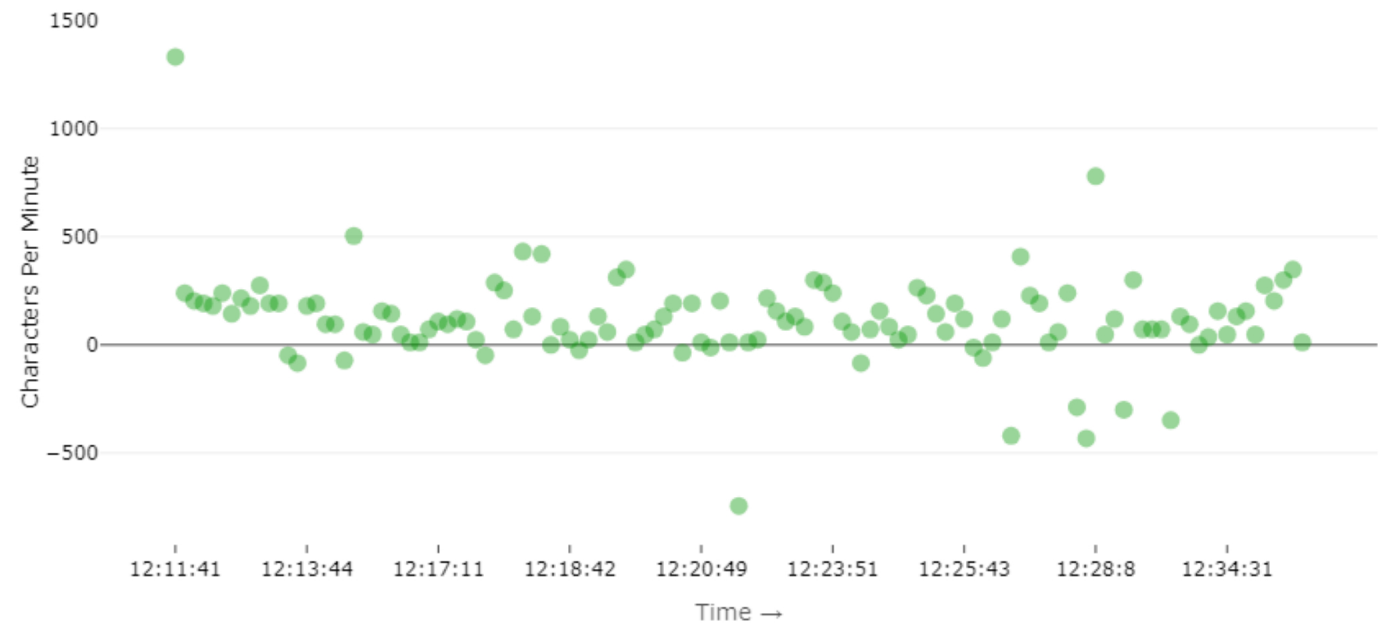Green and red circles show text add and removed; size of the circle shows change in the number of characters.

12:11:41   12:14:35   12:17:22   12:19:4   12:21:54   12:24:21   12:26:33   12:32:20   12:35:34

Time →

Code Executions

Green and red dots correspond to successful and failed executions.

12:11:41   12:16:50   12:21:29   12:22:22   12:25:20   12:29:8   12:30:6   12:32:43   12:35:35

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.

Time (Revisions) →