# Program 1

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Coding Journey Summary:

⏱ 4 minutes 10 seconds of active typing | 8 minutes total duration

📄 652 characters | 36 lines

📈 Typing speed: 40 character(s) per minute | Revisions: 50 (logging interval: 5 seconds)

📊 Interactive version of this report is available here.

```
==+==

FILE: Main.cpp

==+==

/* WAP TO SHOW OPERATOR FUNCTION RETURN OBJECT OF TYPE COMPLEX */
#include <iostream>
using namespace std;

class complex{
    private:
    int real;
    int img;

    public:
    complex()
    {
        real=0;
        img=0;
    }

    complex(int x,int y)
    {
        real=x;
        img=y;
    }

    complex operator+(complex b)
    {
        complex temp;
        temp.real=real+b.real;
        temp.img=img+b.img;
        return temp;
    }

    void display()
    {
        cout<<real<<"+"<<img<<"i";
    }
};

int main() {
    complex A(1,2),B(2,3),result;
    result=A+B;
    result.display();
    return 0;
};
```

Final Execution Output

Output of the most recent code execution.

```
3+5i
```

Most Common Error

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

```
EXCEPTION:
main.cpp:34:2: error: expected ';' after class definition
   34 | }
      |  ^
      |  ;
main.cpp: In member function 'complex complex::operator+(complex)':
main.cpp:25:9: error: 'temp' was not declared in this scope; did you mean 'mktemp'?
   25 |         temp.real=a.real+b.real;
      |         ^~~~
      |         mktemp
main.cpp:25:19: error: 'a' was not declared in this scope
   25 |         temp.real=a.real+b.real;
      |                   ^
```
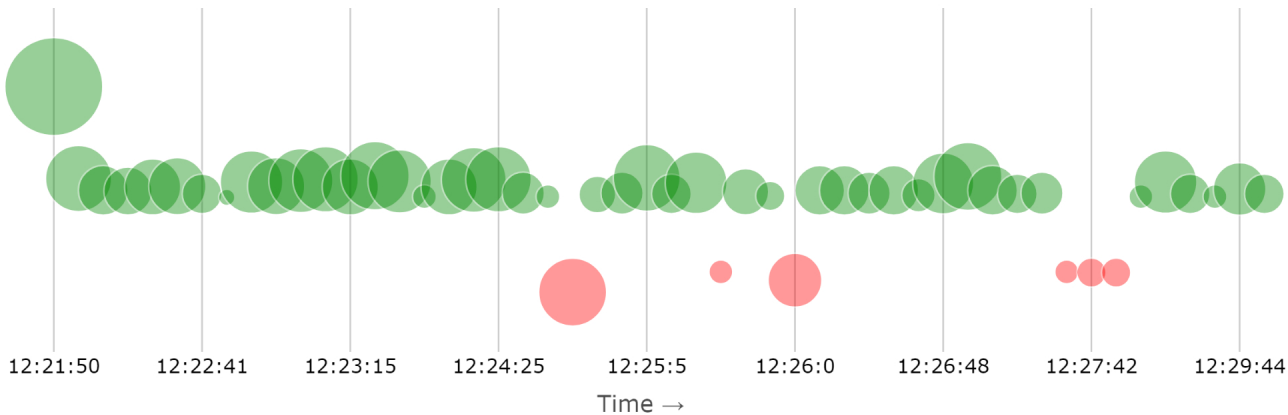
Active Sessions

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

Active: 5 minutes 59 seconds 2024-02-05 12:21:50	Thinking: 37 seconds 2024-02-05 12:27:49	Active: 1 minute 23 seconds 2024-02-05 12:28:26

Text Added or Removed Over Time

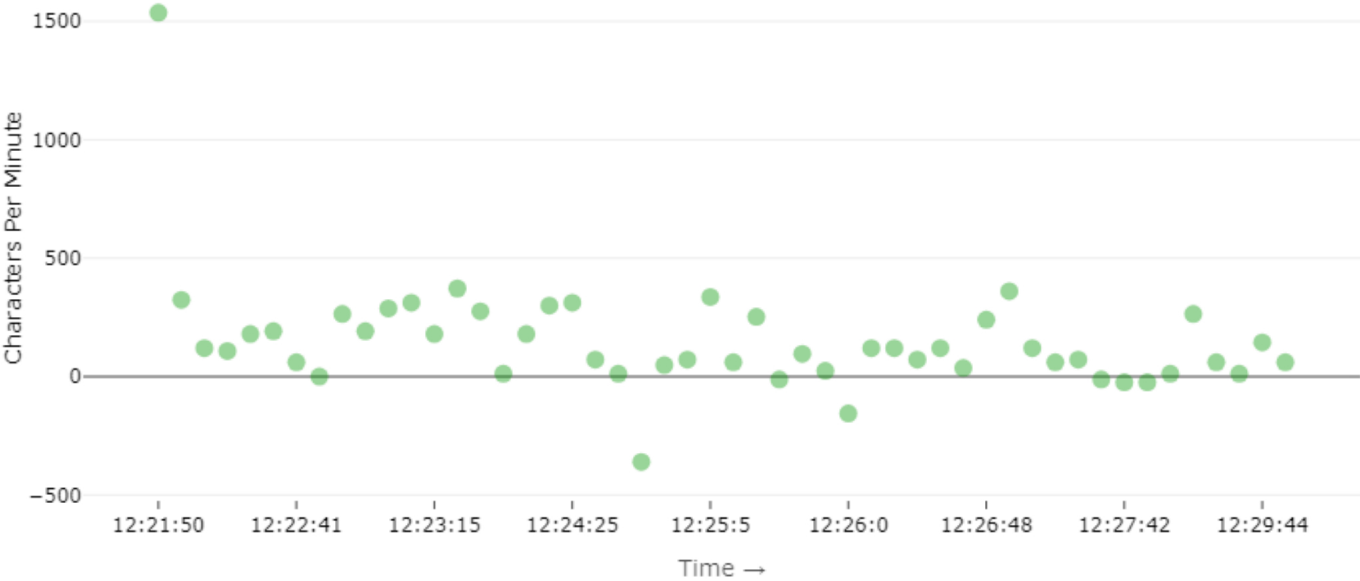Green and red circles show text add and removed; size of the circle shows change in the number of characters.

12:21:50   12:22:41   12:23:15   12:24:25   12:25:5   12:26:0   12:26:48   12:27:42   12:29:44

Time →

Code Executions

Green and red dots correspond to successful and failed executions.

12:21:50   12:27:19   12:27:34   12:27:49   12:28:26   12:28:36   12:28:50   12:29:50

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) →