

Coding Journey Report

Data visualizations and summaries for exploring a coding journey.

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Task name: Question 2

Typing Time: 5 minutes 5 seconds

Total time spent: 9 minutes 1 second

Average typing speed: 42 character(s)/minute

Number of lines: 42

Number of characters: 797

Number of time points: 62 (Logged at 5 seconds)

Interactive version of this report is [available here](#).

Question:

1.write a program to find sum and difference of two complex numbers using concept of constructor and function overloading

Final Code

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

==+=

FILE: Main.cpp

==+=

/* Sum and difference using constructor and function overloading */

#include <iostream>

using namespace std;

class complex{

public:

int real;

int img;

complex()

{

real=0;

img=0;

}

complex(int x,int y)

{

real=x;

img=y;

}

void op(complex a,complex b)

{

real=a.real+b.real;

img=a.img+b.img;

}

void op(int a,int b,int c,int d)

{

real=a-c;

img=b-d;

}

void display()

{

cout<<real<<"+"<<img<<"i"<<endl;

}

};

int main() {

complex x(3,4),y(1,2),sum,diff;

sum.op(x,y);

diff.op(x.real,x.img,y.real,y.img);

cout<<"Sum:"<<endl;

sum.display();

cout<<"Difference:"<<endl;

diff.display();

return 0;

};

Final Execution Output

Output of the most recent code execution.

Sum:
4+6i
Difference:
2+2i

Most Common Error

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

STDERR:

Main.cpp: In function 'int main()':

Main.cpp:41:14: error: 'class complex' has no member named 'y'

```
41 |      sum.op(x.y);  
   |              ^
```

EXCEPTION:

Error: Command failed: timeout 7 g++ -o Main Main.cpp

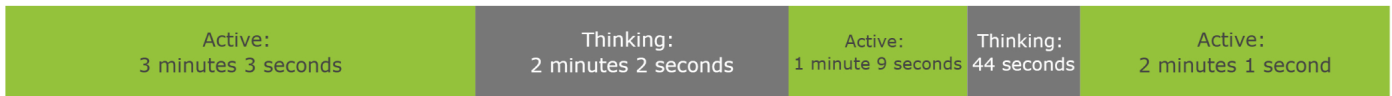
Main.cpp: In function 'int main()':

Main.cpp:41:14: error: 'class complex' has no member named 'y'

```
41 |      sum.op(x.y);  
   |              ^
```

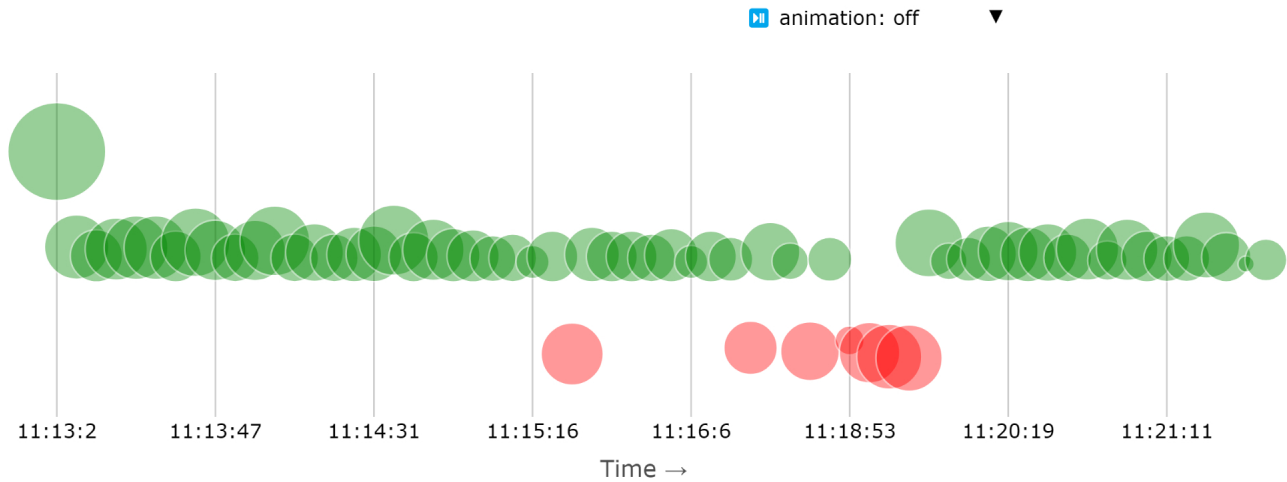
Effort Summary

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



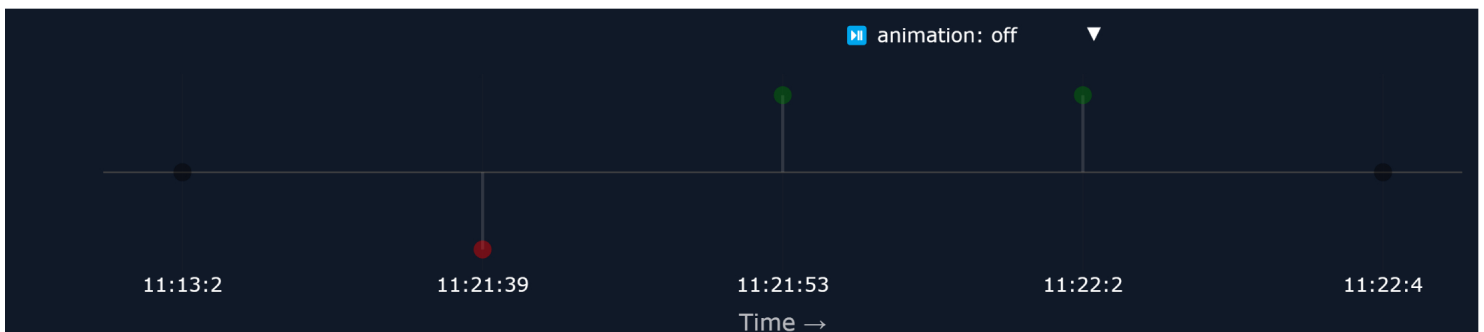
Text Added or Removed Over Time

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



Code Executions

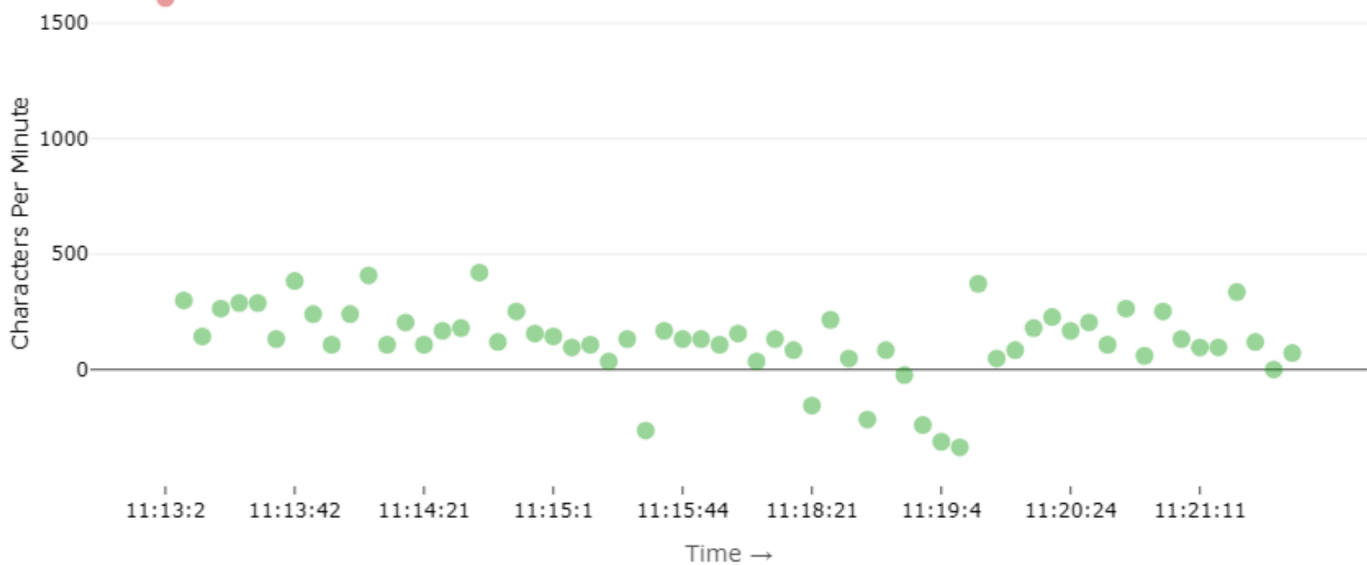
Green and red dots correspond to successful and failed executions.



Typing Speed

Typing speed can be negative when text is deleted.

animation: off ▼



Edited Line Locations (inactive durations not shown)

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

animation: off ▼

Time (Time Points) →

