

Coding Journey Report

Data visualizations and summaries for exploring a coding journey.

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Task name: Program 4

Typing Time: 4 minutes 5 seconds

Total time spent: 5 minutes 7 seconds

Average typing speed: 39 character(s)/minute

Number of lines: 33

Number of characters: 744

Number of time points: 50 (Logged at 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.

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

/* Volume using function overloading */
#include <iostream>
using namespace std;
#define pi 3.14

float volume(int l)
{
    return(l*l*l);
}

float volume(int r,int h)
{
    return(pi*r*r*h);
}

float volume(int l,int b,int h)
{
    return(l*b*h);
}

int main() {
    int l,b,h,r;
    float result;
    cout<<"Enter length of cube:";
    cin>>l;
    result=volume(l);
    cout<<"\nVolume of cube is "<<result;
    cout<<"\nEnter length, breadth and height of cuboid:";
    cin>>l>>b>>h;
    result=volume(l,b,h);
    cout<<"\nVolume of cuboid is "<<result;
    cout<<"\nEnter radius and height of cylinder:"<<endl;
    cin>>r>>h;
    result=volume(r,h);
    cout<<"Volume of cylinder is "<<result;
    return 0;
};
```

Final Execution Output

Output of the most recent code execution.

Enter length of cube:
Volume of cube is 27
Enter length, breadth and height of cuboid:
Volume of cuboid is 60
Enter radius and height of cylinder:
Volume of cylinder is 169.56

Inputs to the Code

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

3
3 4 5
3 6

Most Common Error

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

EXCEPTION:

main.cpp:4:9: warning: ISO C++11 requires whitespace after the macro name

```
4 | #define pi3.14
  |             ^~~
```

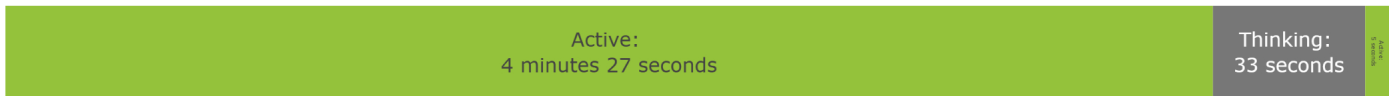
main.cpp: In function 'float volume(int, int)':

main.cpp:13:12: error: 'pi' was not declared in this scope; did you mean 'pi3'?

```
13 |     return(pi*r*r*h);
    |           ^~
    |           pi3
```

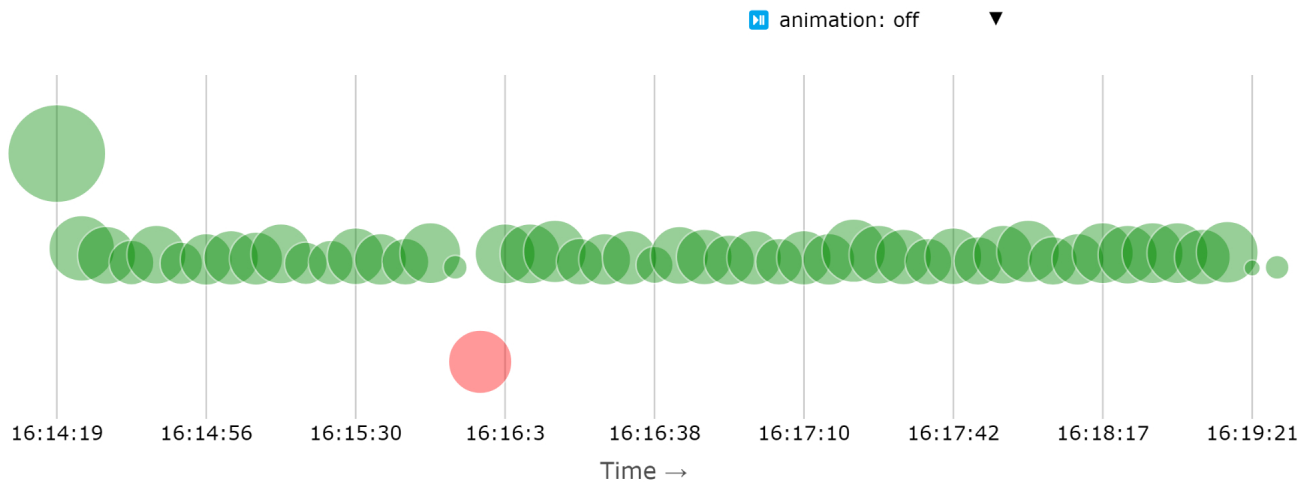
Effort Summary

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



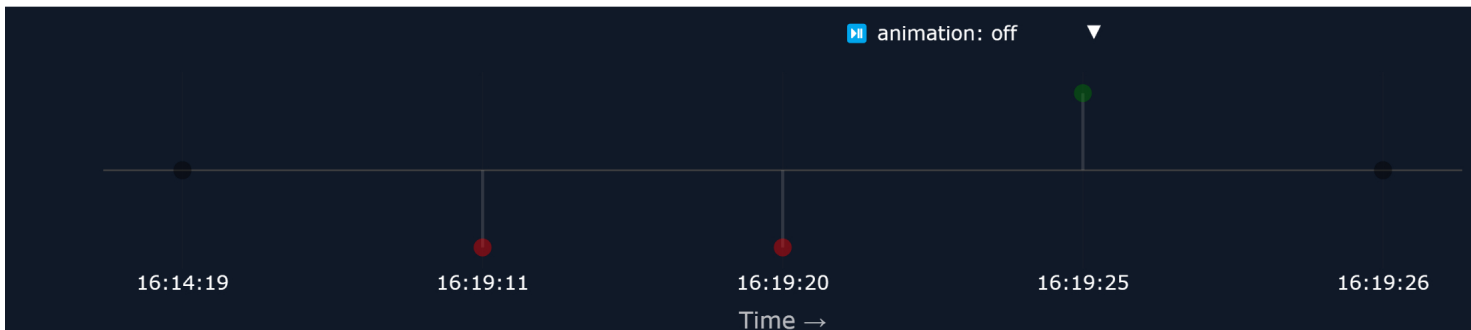
Text Added or Removed Over Time

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



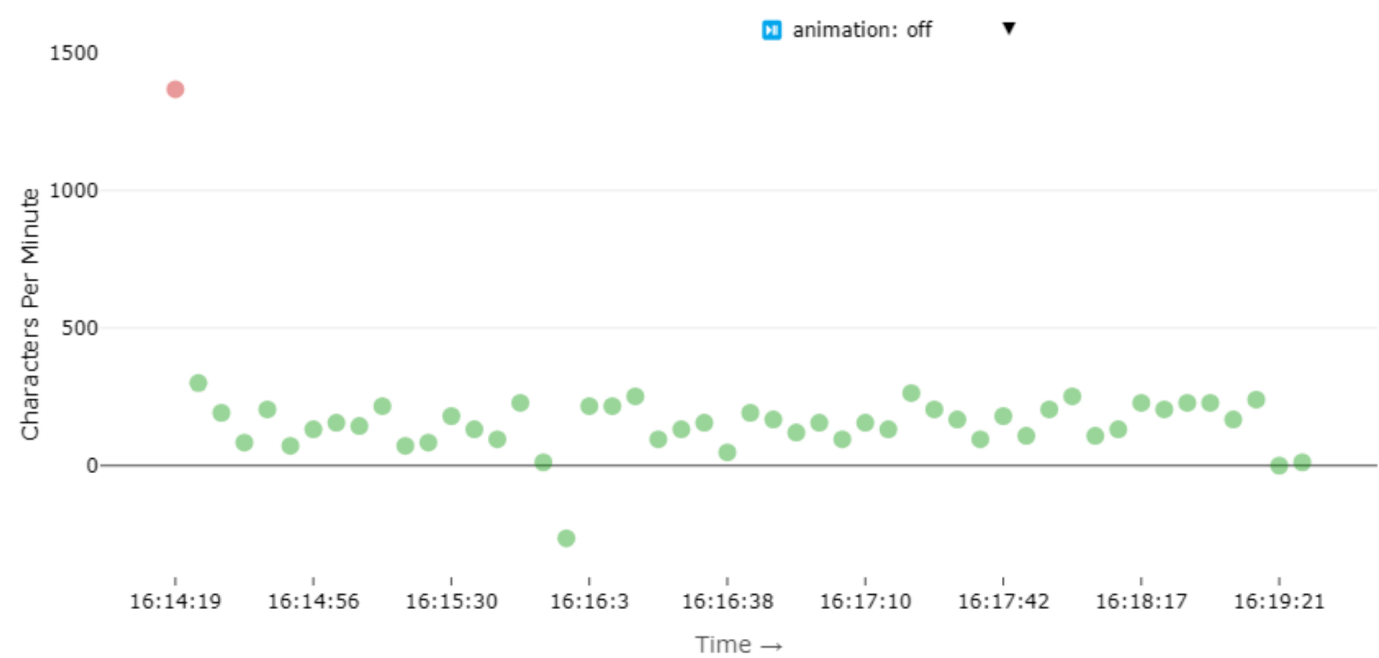
Code Executions

Green and red dots correspond to successful and failed executions.



Typing Speed

Typing speed can be negative when text is deleted.



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.

