

# Lab 6 Program 4

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ACEM

## Coding Journey Summary:

- 🕒 5 minutes 25 seconds of active typing | 17 minutes 53 seconds total duration
- 📄 546 characters | 38 lines
- ✂️ Typing speed: 39 character(s) per minute | Revisions: 65 (logging interval: 5 seconds)
- 🌐 Interactive version of this report is [available here](#).

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## Final Code

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

---

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

/* ABSTRACT CLASS */
#include <iostream>
using namespace std;

class ABC
{
    public:
    int a;
    virtual void getdata()
    {
        cin>>a;
    }

    virtual void display()=0;
};

class plusone:public ABC
{
    public:

    void display()
    {
        cout<<a+1<<endl;
    }

};

class plustwo:public ABC
{
    public:

    void display()
    {
        cout<<a+2<<endl;
    }

};

int main() {
    plusone A;
    A.getdata();
    plustwo B;
    B.getdata();
    A.display();
    B.display();
    return 0;
};
```

---

## Final Execution Output

Output of the most recent code execution.

---

2  
3

---

## Inputs to the Code

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

---

1  
1

---

## Most Common Error

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

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EXCEPTION:

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

main.cpp:44:13: error: cannot declare variable 'A' to be of abstract type 'plusone'

```
44 |     plusone A;  
    |             ^
```

main.cpp:23:7: note: because the following virtual functions are pure within 'plusone':

```
23 | class plusone:public ABC  
    |      ^~~~~~
```

main.cpp:19:18: note: 'virtual void ABC::abs()'

```
19 |     virtual void abs()=0;  
    |                   ^~~
```

main.cpp:46:13: error: cannot declare variable 'B' to be of abstract type 'plustwo'

```
46 |     plustwo B;  
    |             ^
```

main.cpp:34:7: note: because the following virtual functions are pure within 'plustwo':

```
34 | class plustwo:public ABC  
    |      ^~~~~~
```

main.cpp:19:18: note: 'virtual void ABC::abs()'

```
19 |     virtual void abs()=0;  
    |                   ^~~
```

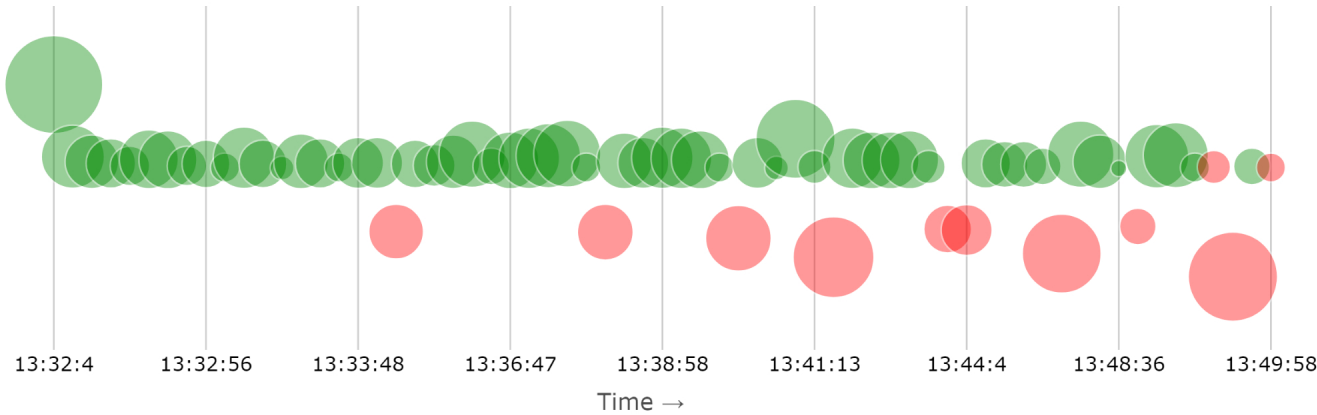
### Active Sessions

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



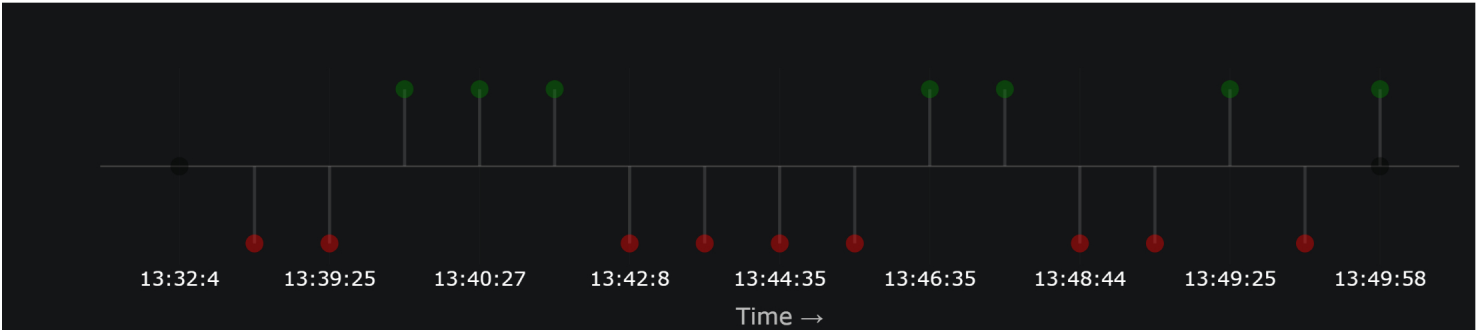
### Text Added or Removed Over Time

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



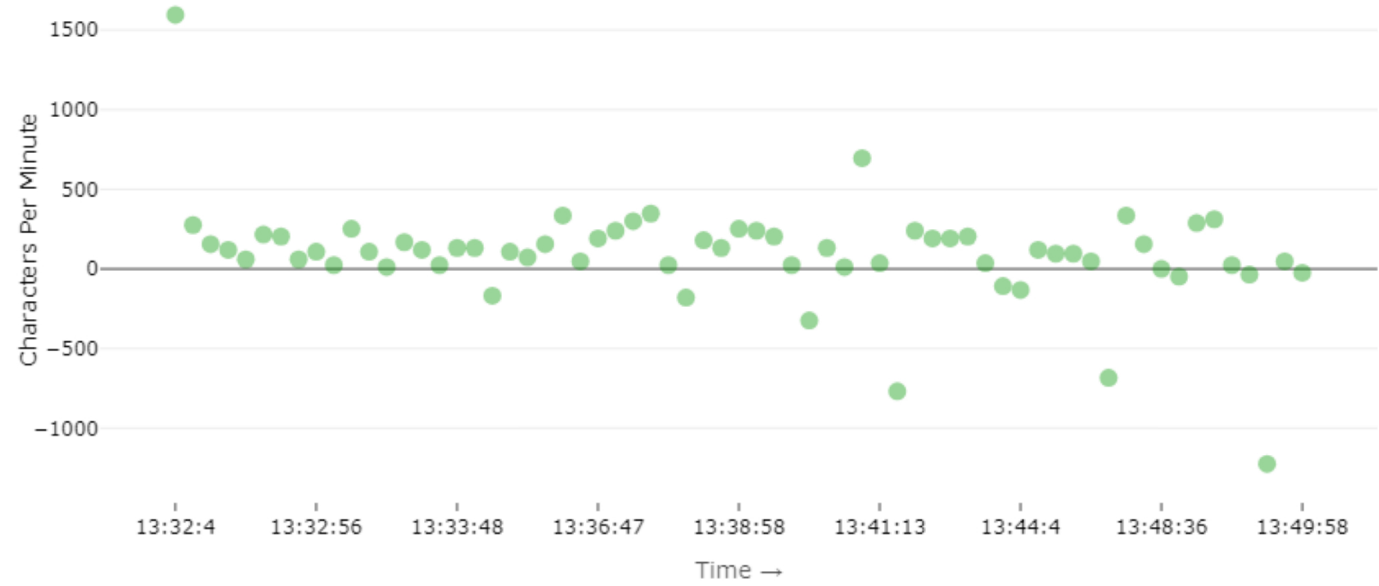
### Code Executions

Green and red dots correspond to successful and failed executions.



# Typing Speed

Typing speed can be negative when text is deleted.



# Edited Line Locations

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

