

Lab 6 Program 2

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ACEM

Coding Journey Summary:

- 🕒 13 minutes 10 seconds of active typing | 32 minutes 39 seconds total duration
- 📄 1512 characters | 90 lines
- ✍️ Typing speed: 33 character(s) per minute | Revisions: 158 (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.

```
==+==  
FILE: Main.cpp  
==+==  
  
/* Program 2 */  
#include <iostream>  
#include <cstring>  
  
using namespace std;  
  
class staff  
{  
    int staff_id;  
  
    public:  
    staff()  
    {  
        staff_id=0;  
    }  
    staff(int x)  
    {  
        staff_id=x;  
    }  
    void return_id()  
    {  
        cout<<staff_id<<endl;  
    }  
};  
  
class lecturer:public staff  
{  
    char subject[10];  
  
    public:
```

```

    lecturer()
    {
        strcpy(subject,"x");
    }
    lecturer(char x[10],int y):staff(y)
    {
        strcpy(subject,x);
    }

    void return_subject()
    {
        cout<<"Subject:"<<subject<<endl;
    }
};

class admin:public staff
{
    char post_dept[10];

    public:
    admin()
    {
        strcpy(post_dept,"x");
    }

    admin(char x[10],int y):staff(y)
    {
        strcpy(post_dept,x);
    }

    void return_dept()
    {
        cout<<"Post Department:"<<post_dept<<endl;
    }
};

class librarian:public staff
{
    char shift[10];

    public:
    librarian()
    {
        strcpy(shift,"x");
    }

    librarian(char x[10],int y):staff(y)
    {
        strcpy(shift,x);
    }
    void return_shift()
    {
        cout<<"Shift:"<<shift<<endl;
    }
};

int main() {

```

```
char subject[10];
char dept[10];
char shift[10];
cin>>subject;
cin>>dept;
cin>>shift;
lecturer L1(subject,1);
admin A1(dept,2);
librarian L2(shift,3);
L1.return_id();
L1.return_subject();
A1.return_id();
A1.return_dept();
L2.return_id();
L2.return_shift();
return 0;
};
```

Final Execution Output

Output of the most recent code execution.

```
1
Subject:math
2
Post Department:computer
3
Shift:day
```

Inputs to the Code

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

```
math
computer
day
```

Most Common Error

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

EXCEPTION:

main.cpp: In constructor 'lecturer::lecturer()':

main.cpp:32:17: error: invalid conversion from 'const char*' to 'char' [-fpermissive]

```
32 |         subject=" ";
    |                ^~~
    |                |
    |                const char*
```

main.cpp: In constructor 'lecturer::lecturer(char)':

main.cpp:34:28: error: expected primary-expression before 'int'

```
34 |     lecturer(char x):staff(int y)
    |                           ^~~
```

main.cpp: At global scope:

main.cpp:47:5: error: 'chat' does not name a type; did you mean 'char'?

```
47 |     chat post_dept;
    |     ^~~~
    |     char
```

main.cpp:63:5: error: variable or field 'return_dept' declared void

```
63 |     }
    |     ^
```

main.cpp:63:5: error: expected ';' at end of member declaration

```
63 |     }
    |     ^
    |     ;
```

main.cpp: In constructor 'admin::admin()':

main.cpp:52:9: error: 'post_dept' was not declared in this scope

```
52 |         post_dept=" ";
    |         ^~~~~~
```

main.cpp: In constr... [too long EXCEPTION trimmed]

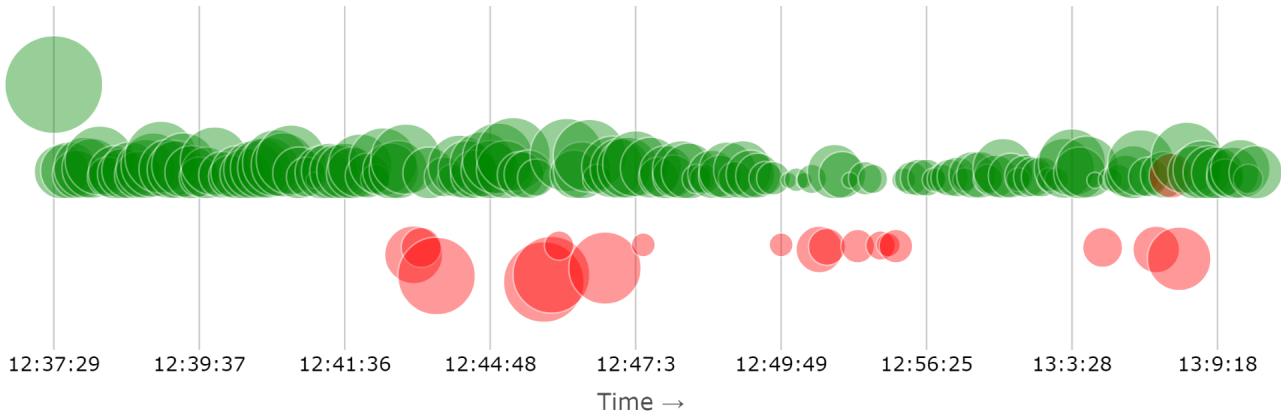
Active Sessions

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



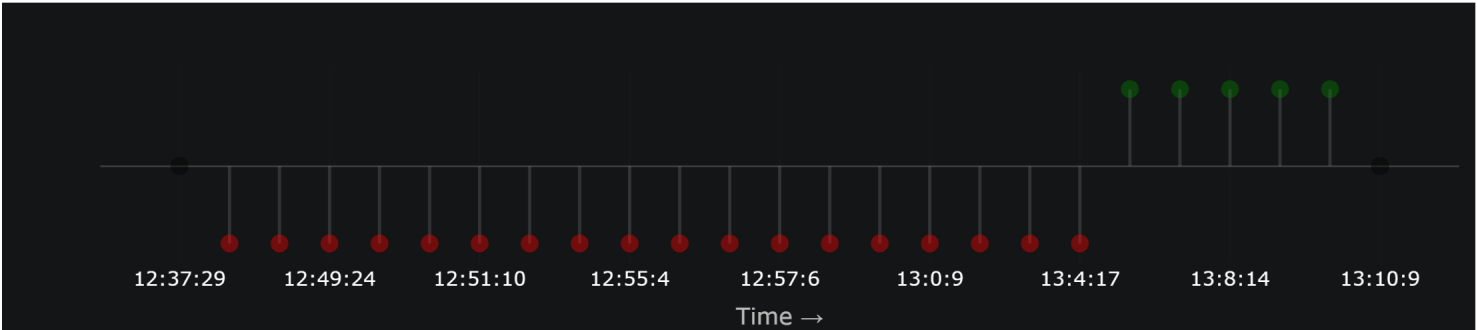
Text Added or Removed Over Time

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



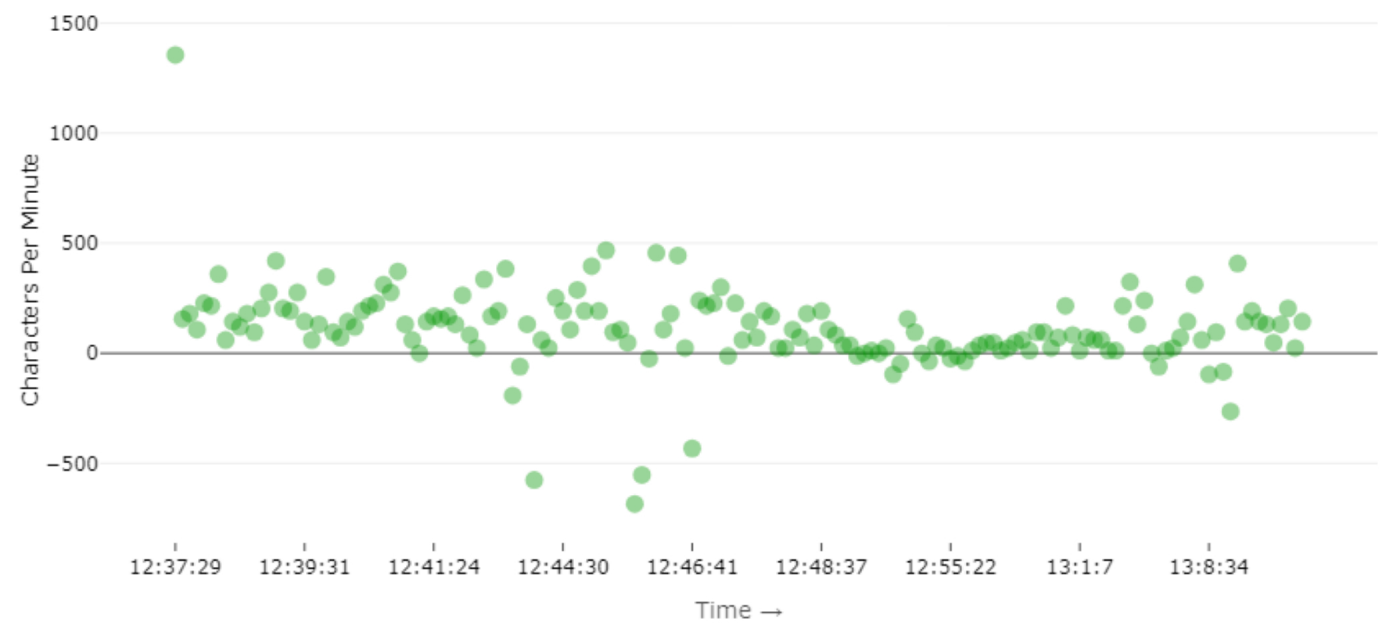
Code Executions

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.

Time (Revisions) →

