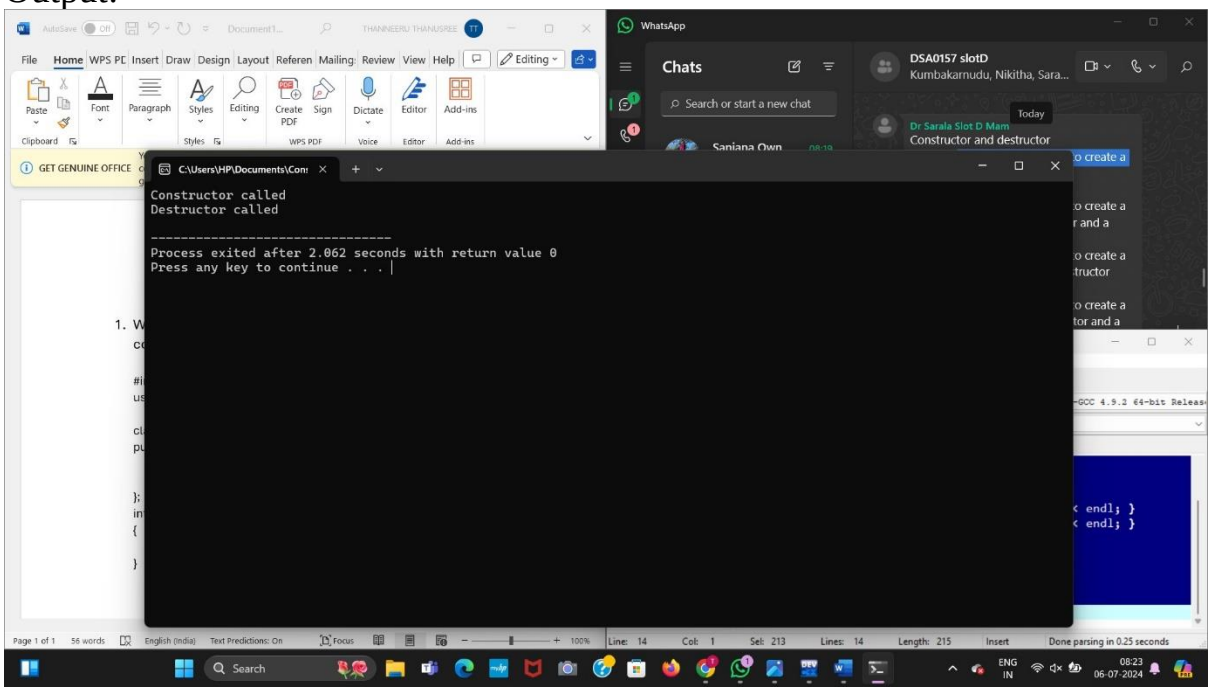
Constructor and Destructor

1. Write a c++ program to create a class for a bank account with a constructor and a destructor.

```
#include <iostream>
using namespace std;

class GFG {
public:
        GFG() { cout << "Constructor called" << endl; }
        ~GFG() { cout << "Destructor called" << endl; }
};
int main()
{
        GFG obj;
}
```

Output:

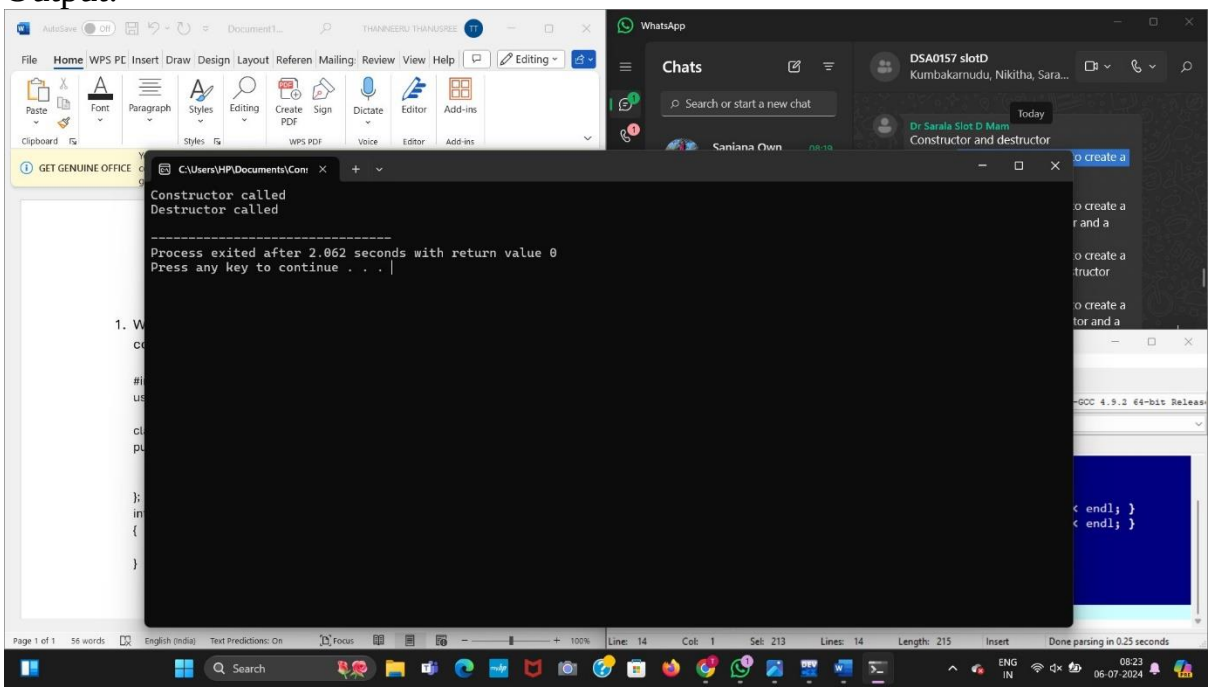


2. Write a c++ program to create a class for a car with a constructor and a destructor

```
#include <iostream>
using namespace std;
class GFG {
public:
        GFG() { cout << "Constructor called" << endl; }
```

```
        ~GFG() { cout << "Destructor called" << endl; }
};
int main()
{
        GFG obj;
        return 0;
}
```

Output:

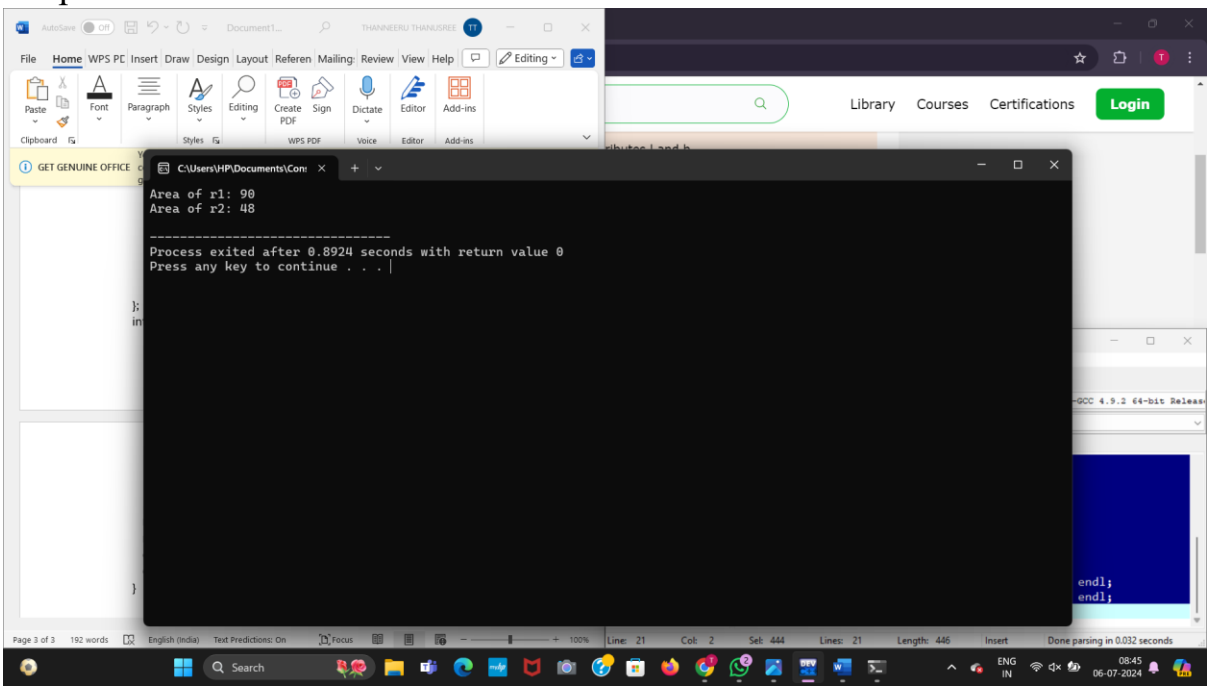


3. Write a c++ program to create a class for a rectangle with a constructor and a destructor

```
#include <iostream>
using namespace std;
class Rectangle{
   private:
      int l, b;
   public:
      void input(int len, int bre){
         l = len;
         b = bre;
      }
      int area(){
         return l * b;
      }
};
int main(){
   Rectangle r1, r2;
   r1.input(10, 9);
```

```
    r2.input(8, 6);
    cout << "Area of r1: " << r1.area() << endl;
    cout << "Area of r2: " << r2.area() << endl;
}
```

Output:

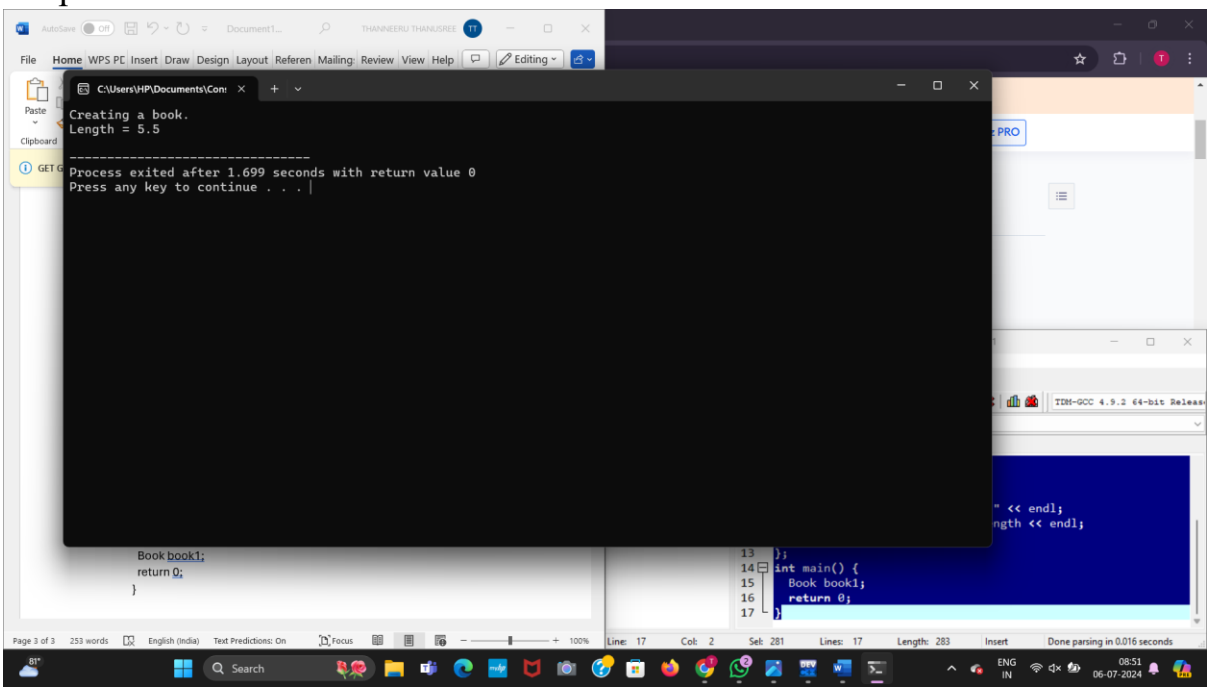


4. Write a c++ program to create a class for a book with a constructor and a destructor

```
#include <iostream>
using namespace std;
class  Book {
  private:
    double length;

  public:
    Book()
      : length{5.5} {
      cout << "Creating a book." << endl;
      cout << "Length = " << length << endl;
    }
};
int main() {
  Book book1;
  return 0;
}
```

Output:



5. Write a c++ program to create a class for student with a constructor and a destructor

```
#include <iostream>
using namespace std;
class student {
        int rno;
        char name[50];
        double fee;

public:
        student()
        {
                cout << "Enter the RollNo:";
                cin >> rno;
                cout << "Enter the Name:";
                cin >> name;
                cout << "Enter the Fee:";
                cin >> fee;
        }

        void display()
        {
                cout << endl << rno << "\t" << name << "\t" << fee;
        }
};
```

```
int main()
{
        student s;
        s.display();
        return 0;
}
```

Output: