

Constructor and Destructor

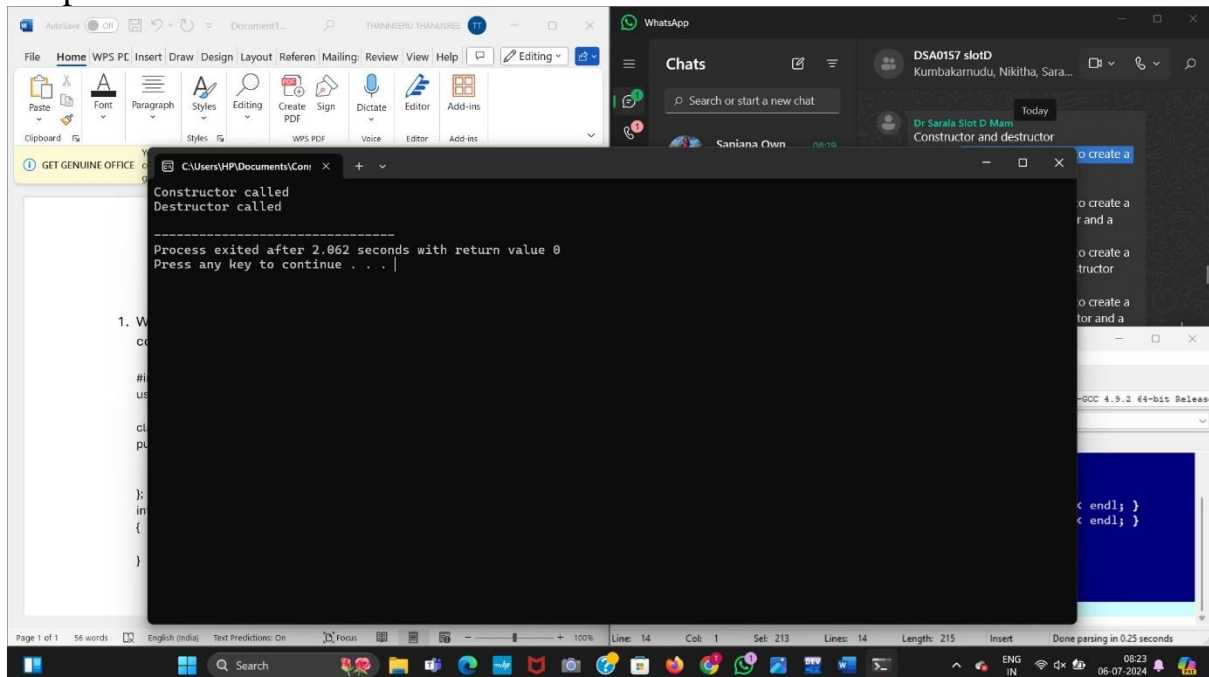
1. Write a c++ program to create a class for a bank account with a constructor and a destructor.

```
#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

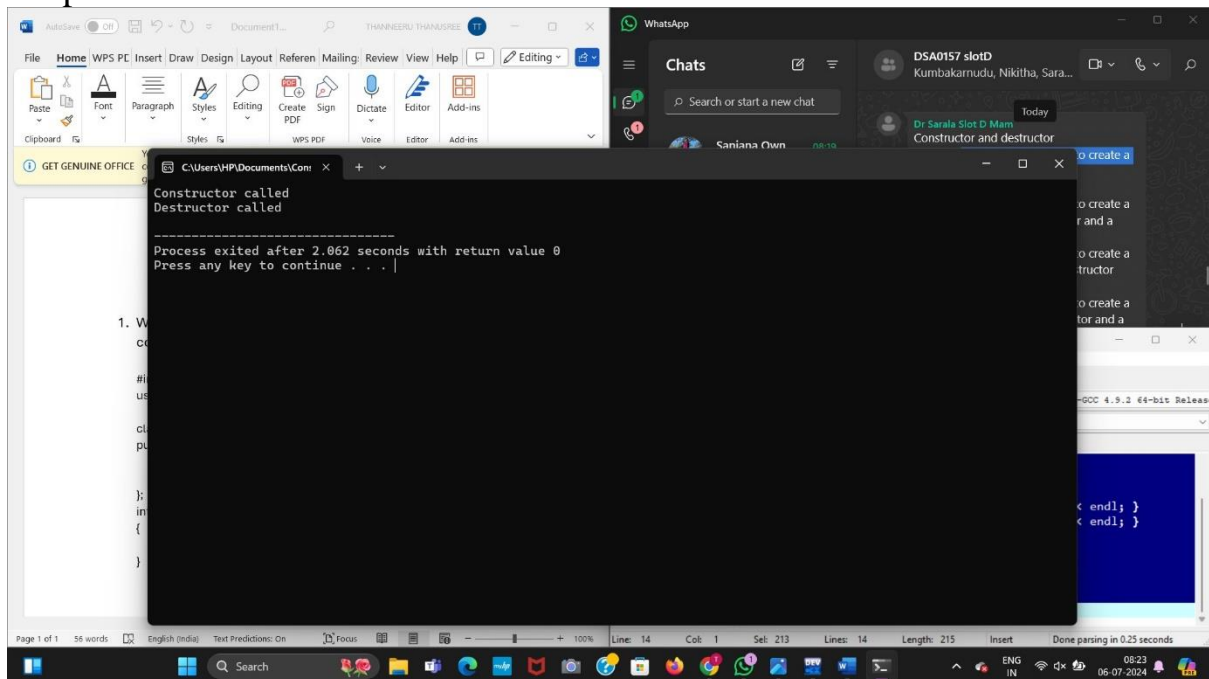
```
#include <iostream>
using namespace std;
class GFG {
public:
    GFG() { cout << "Constructor called" << endl; }
```

```

~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);
}

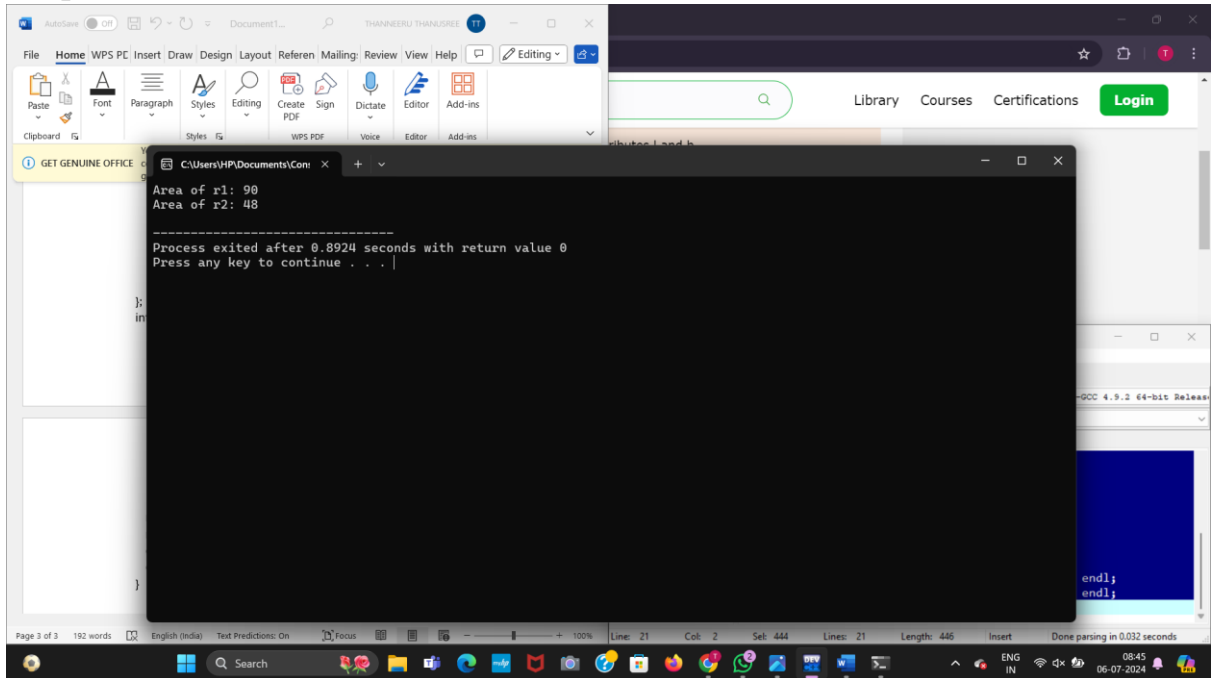
```

```

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

```

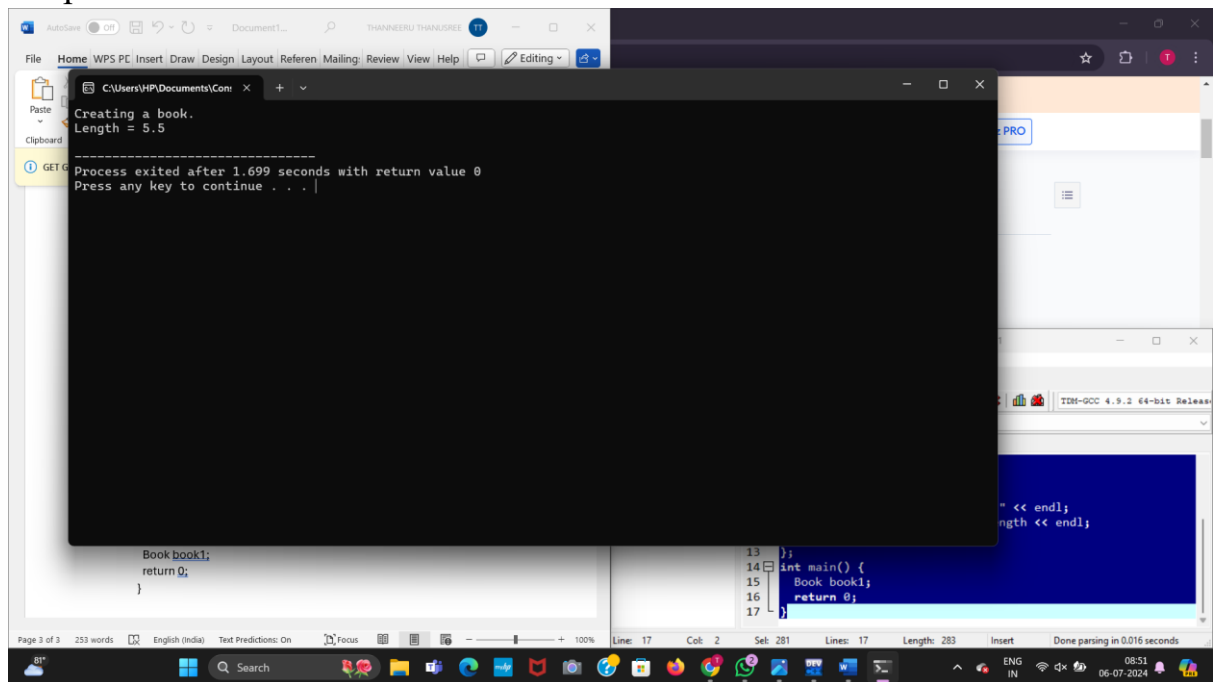
#include <iostream>
using namespace std;
class Book {
private:
    double length;

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:

