

C:\Users\cteja\OneDrive\Documents\emply&managerbase cls.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

```
Project Class emply&managerbase cls.cpp
1 #include <iostream>
2
3 // Base class: Person
4 class Person {
5 public:
6     // Virtual function for work
7     virtual void work() {
8         std::cout << "Person is working" << std::endl;
9     }
10 };
11
12 // Derived class: Employee
13 class Employee : public Person {
14 public:
15     // Implement the work function for Employee
16     void work() override {
17         std::cout << "Employee is working" << std::endl;
18     }
19 };
20
21 // Derived class: Manager
22 class Manager : public Person {
23 public:
24     // Implement the work function for Manager
25     void work() override {
26         std::cout << "Manager is working" << std::endl;
27     }
28 };
29
30 int main() {
31     // Create instances of Employee and Manager
32     Employee emp;
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler pat

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\cteja\OneDrive\Documents\emply&managerbase.exe
- Output Size: 2.99034023284912 MiB
- Compilation Time: 2.13s
```

C:\Users\cteja\OneDrive\Documents\emply&managerbase cls.cpp

```
Employee is working
Manager is working
Employee is working
Manager is working
```

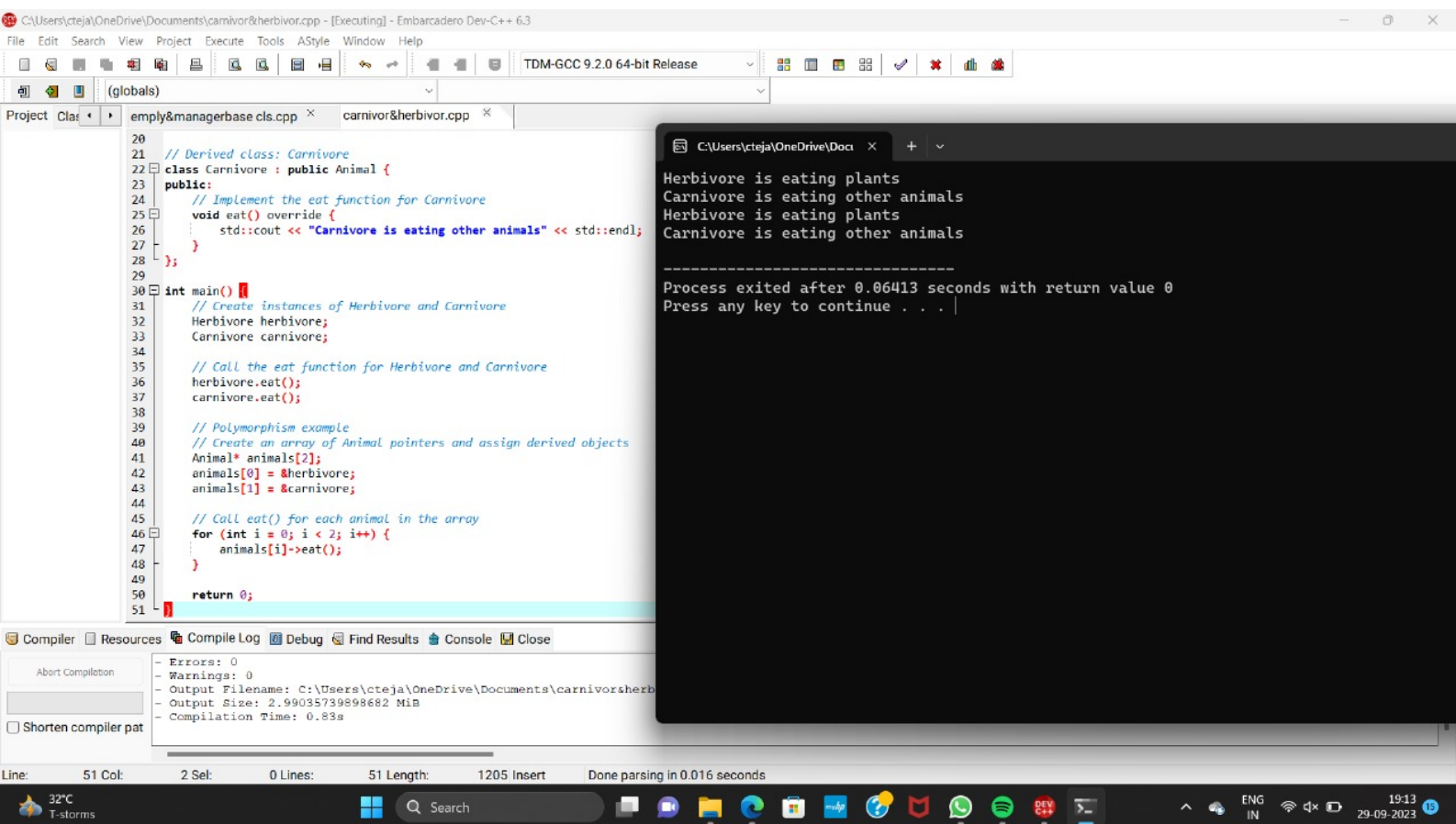
```
-----
Process exited after 0.07212 seconds with return value 0
Press any key to continue . . .
```

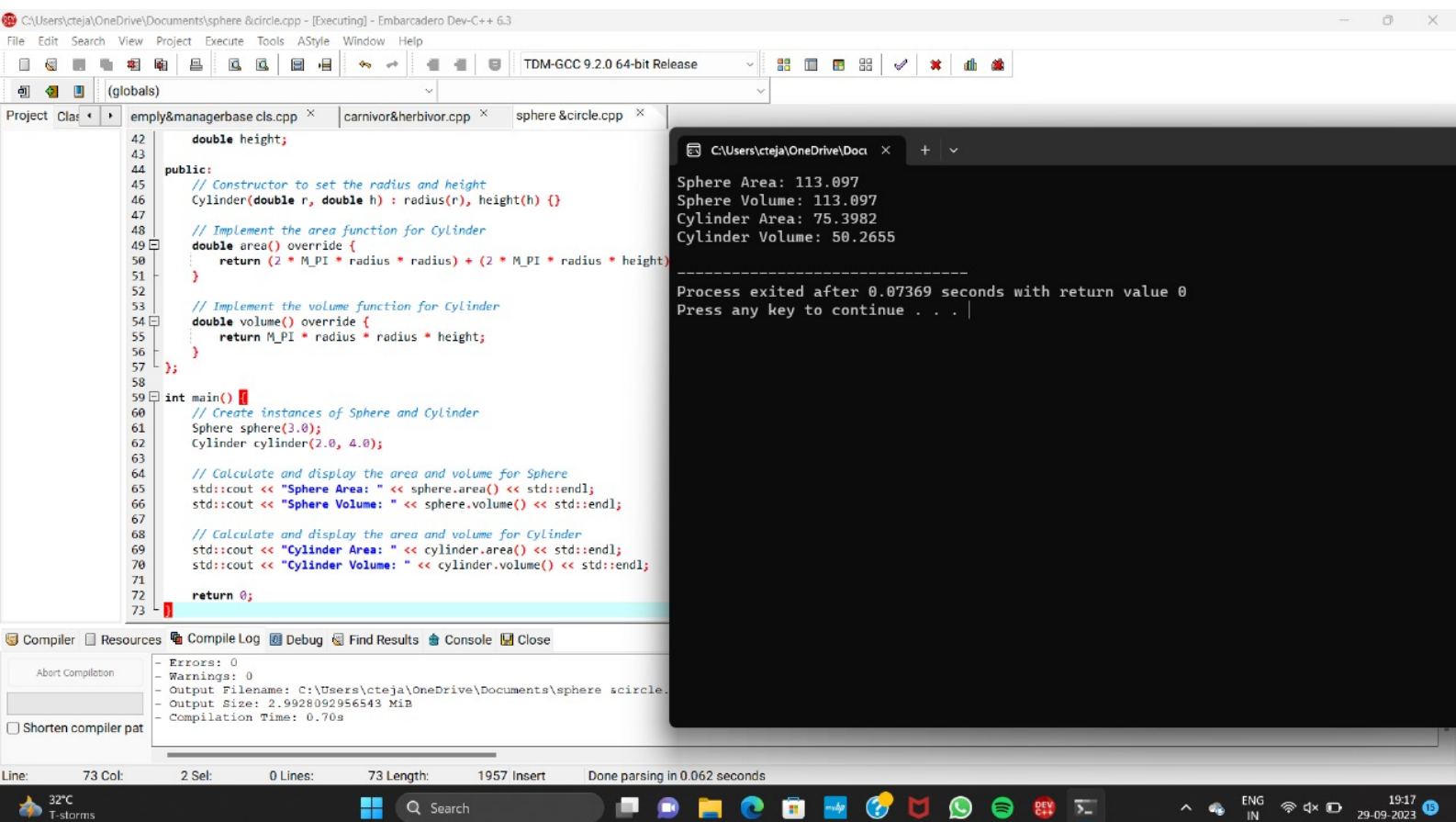
Line: 51 Col: 2 Sel: 0 Lines: 51 Length: 1137 Insert Done parsing in 1.078 seconds

32°C
T-storms

Search

ENG
IN 19:07
29-09-2023





C:\Users\cteja\OneDrive\Documents\student&teacher.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class

empty&managerbase.cls.cpp × carnivor&herbivor.cpp × sphere & circle.cpp × student&teacher.cpp ×

```
33 public:
34 // Constructor to set the teacher's name
35 Teacher(const std::string& name) : teacherName(name) {}
36
37 // Implement the greet function for Teacher
38 void greet() override {
39     std::cout << "Hello, I am a teacher named " << teacherName
40     << endl;
41 }
42
43 int main() {
44     // Create instances of Student and Teacher
45     Student student("Alice");
46     Teacher teacher("Mr. Smith");
47
48     // Call the greet function for Student and Teacher
49     student.greet();
50     teacher.greet();
51
52     // Polymorphism example
53     // Create an array of Person pointers and assign derived objects
54     Person* people[2];
55     people[0] = &student;
56     people[1] = &teacher;
57
58     // Call greet() for each person in the array
59     for (int i = 0; i < 2; i++) {
60         people[i]->greet();
61     }
62
63     return 0;
64 }
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Errors: 0
Warnings: 0
Output Filename: C:\Users\cteja\OneDrive\Documents\student&teacher.cpp
Output Size: 3.00255393981934 MiB
Compilation Time: 0.69s

C:\Users\cteja\OneDrive\Documents\student&teacher.cpp × + v

```
Hello, I am a student named Alice.
Hello, I am a teacher named Mr. Smith.
Hello, I am a student named Alice.
Hello, I am a teacher named Mr. Smith.

-----
Process exited after 0.08055 seconds with return value 0
Press any key to continue . . . |
```

Line: 64 Col: 2 Sel: 0 Lines: 64 Length: 1614 Insert Done parsing in 0.015 seconds

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Search

ENG IN 19:22 29-09-2023

C:\Users\cteja\OneDrive\Documents\derive two vlse rec&tringle.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class

empty&managerbase cls.cpp × carnivor&herbivor.cpp × sphere &circle.cpp × student&teacher.cpp × n.cpp × derive two vlse rec&tringle.cpp ×

```
45 double side3;
46
47 public:
48 // Constructor to set the base, height, and sides
49 Triangle(double b, double h, double s1, double s2, double s3) : base(b), hei
50
51 // Implement the area function for Triangle
52 double area() override {
53     return 0.5 * base * height;
54 }
55
56 // Implement the perimeter function for Triangle
57 double perimeter() override {
58     return side1 + side2 + side3;
59 }
60 };
61
62 int main() {
63 // Create instances of Rectangle and Triangle
64 Rectangle rectangle(4.0, 3.0);
65 Triangle triangle(5.0, 4.0, 3.0, 4.0, 5.0);
66
67 // Calculate and display the area and perimeter for Rectangle
68 std::cout << "Rectangle Area: " << rectangle.area() << std::endl;
69 std::cout << "Rectangle Perimeter: " << rectangle.perimeter() << std::endl;
70
71 // Calculate and display the area and perimeter for Triangle
72 std::cout << "Triangle Area: " << triangle.area() << std::endl;
73 std::cout << "Triangle Perimeter: " << triangle.perimeter() << std::endl;
74
75 return 0;
76 }
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler pat

Errors: 0
Warnings: 0
Output Filename: C:\Users\cteja\OneDrive\Documents\derive two vlse rec
Output Size: 2.99294185638428 MiB
Compilation Time: 0.72s

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Rectangle Area: 12
Rectangle Perimeter: 14
Triangle Area: 10
Triangle Perimeter: 12

Process exited after 0.05442 seconds with return value 0
Press any key to continue . . .

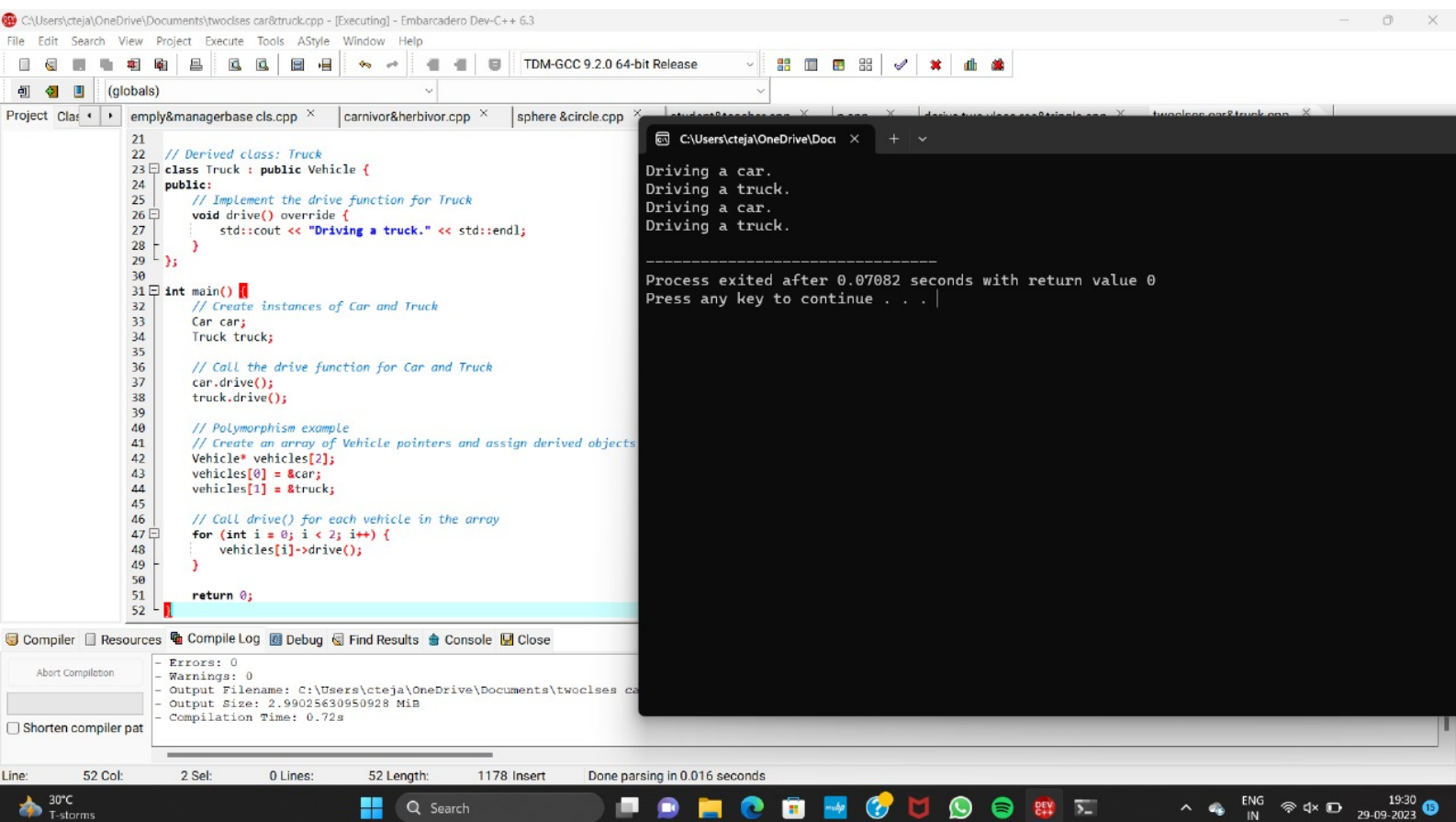
Line: 76 Col: 2 Sel: 0 Lines: 76 Length: 2121 Insert Done parsing in 0.016 seconds

30°C T-storms

Search

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19:28 29-09-2023



C:\Users\cteja\OneDrive\Documents\cls engineer and managaer.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class

emply&managerbase cls.cpp × carnivor&herbivor.cpp × sphere &circle.cpp × student&teacher.cpp × n.cpp ×

derive two vlises rec&tringle.cpp × twoclises car&truck.cpp × cls engineer and managaer.cpp ×

```
7 |      return 0.0; // Default pay for an employee
8 |  };
9 |  };
10 |
11 |  class Manager : public Employee {
12 |  public:
13 |      double calculatePay() override {
14 |          // Manager's pay calculation
15 |          return 5000.0; // Example pay for a manager
16 |      };
17 |  };
18 |
19 |  class Engineer : public Employee {
20 |  public:
21 |      double calculatePay() override {
22 |          // Engineer's pay calculation
23 |          return 6000.0; // Example pay for an engineer
24 |      };
25 |  };
26 |
27 |  int main() {
28 |      Employee* emp1 = new Manager();
29 |      Employee* emp2 = new Engineer();
30 |
31 |      std::cout << "Manager's Pay: " << emp1->calculatePay() << std::endl;
32 |      std::cout << "Engineer's Pay: " << emp2->calculatePay() << std::endl;
33 |
34 |      delete emp1;
35 |      delete emp2;
36 |
37 |      return 0;

```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Completion

Shorten compiler pat

Errors: 0
Warnings: 0
Output Filename: C:\Users\cteja\OneDrive\Documents\cls engineer and managaer.cpp
Output Size: 2.99136447906494 MiB
Compilation Time: 0.73s

Manager's Pay: 5000
Engineer's Pay: 6000

Process exited after 0.07275 seconds with return value 0
Press any key to continue . . .

Line: 38 Col: 2 Sel: 0 Lines: 38 Length: 862 Insert Done parsing in 0 seconds

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