

D:\os programs\Employee.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)

```
1 #include <iostream>
2 #include <string>
3
4 class Employee {
5 public:
6     int empId;
7     std::string name;
8     double salary;
9 };
10
11 class Teacher {
12 public:
13     int teacherId;
14     std::string name;
15     std::string subject;
16 };
17
18 class Car {
19 public:
20     std::string make;
21     std::string model;
22     int year;
23 };
24
25 class Company {
```

```
D:\os programs\Employee.exe x + v
Employee: John Doe, Salary: $50000
Teacher: Jane Smith, Subject: Math
Car: Toyota Camry (2022)
Company: ABC Corp, Employees: 100
Class: Computer Science, Students: 30
Vehicle: Type - Sedan, Brand - Honda

-----
Process exited after 0.01642 seconds with return value 0
Press any key to continue . . . |
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

- Errors: 0
- Warnings: 0
- Output Filename: D:\os programs\Employee.exe
- Output Size: 2.99914073944092 MiB
- Compilation Time: 0.88s

Line: 70 Col: 1 Sel: 0 Lines: 80 Length: 1834 Insert Done parsing in 0 seconds

D:\os programs\Hierarchy.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 Hierarchy.cpp

```
1 #include <iostream>
2 #include <cmath> // For mathematical functions
3
4 // Abstract base class for shapes
5 class Shape {
6 public:
7     virtual double area() const = 0;
8     virtual double perimeter() const = 0;
9 };
10
11 // Circle class
12 class Circle : public Shape {
13 private:
14     double radius;
15
16 public:
17     Circle(double r) : radius(r) {}
18
19     double area() const override {
20         return 3.14159 * radius * radius;
21     }
22
23     double perimeter() const override {
24         return 2 * 3.14159 * radius;
25     }
26 }
```

D:\os programs\Hierarchy.exe

```
Circle: Area = 78.5397, Perimeter = 31.4159
Rectangle: Area = 24, Perimeter = 20
Triangle: Area = 6, Perimeter = 12

-----
Process exited after 0.01567 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: D:\os programs\Hierarchy.exe
- Output Size: 2.99737453460693 MiB
- Compilation Time: 0.84s
```

Shorten compiler path

Line: 79 Col: 1 Sel: 0 Lines: 79 Length: 2014 Insert Done parsing in 0.578 seconds

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Search

08:56 06-06-2024

D:\os programs\University.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 Hierarchy.cpp University.cpp

Student: class
UniversityM

```
1 #include <iostream>
2 #include <string>
3 #include <vector>
4
5 class UniversityMember {
6 protected:
7     std::string name;
8     int id;
9
10 public:
11     UniversityMember(const std::string& n, int i) : name(n), id(i) {}
12     virtual void displayInfo() const = 0; // Pure virtual function
13 };
14
15 // Derived class for students
16 class Student : public UniversityMember {
17 private:
18     std::vector<std::string> courses;
19
20 public:
21     Student(const std::string& n, int i) : UniversityMember(n, i) {}
22     void addCourse(const std::string& course) {
23         courses.push_back(course);
24     }
25     void displayInfo() const override {
```

D:\os programs\University.exe

Student: Alice (ID: 1001)
Enrolled courses: C++ Programming, Data Structures,
Professor: Dr. Smith (ID: 2001)
Department: Computer Science
Programming Course: C++ Programming (3 credit hours)

Process exited after 0.01283 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler pat

- Errors: 0
- Warnings: 0
- Output Filename: D:\os programs\University.exe
- Output Size: 3.05199718475342 MiB
- Compilation Time: 0.77s

Line: 4 Col: 1 Sel: 0 Lines: 89 Length: 2414 Insert Done parsing in 0.078 seconds

Rain showers In the afternoon

Search

09:00 06-06-2024

D:\os programs\new shapes.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)

Classes Del Hierarchy.cpp University.cpp new shapes.cpp

```
1 #include <iostream>
2 #include <cmath>
3
4 class Shape {
5 public:
6     virtual double area() const = 0;
7     virtual double perimeter() const = 0;
8 };
9
10 // Circle class
11 class Circle : public Shape {
12 private:
13     double radius;
14
15 public:
16     Circle(double r) : radius(r) {}
17
18     double area() const override {
19         return 3.14159 * radius * radius;
20     }
21
22     double perimeter() const override {
23         return 2 * 3.14159 * radius;
24     }
25 };
```

D:\os programs\new shapes.e

```
Circle: Area = 78.5397, Perimeter = 31.4159
Rectangle: Area = 24, Perimeter = 20
Triangle: Area = 6, Perimeter = 12

-----
Process exited after 0.01509 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler pat

```
- Errors: 0
- Warnings: 0
- Output Filename: D:\os programs\new shapes.exe
- Output Size: 2.99737453460693 MiB
- Compilation Time: 0.70s
```

Line: 2 Col: 18 Sel: 0 Lines: 78 Length: 1950 Insert Done parsing in 0.016 seconds

Watchlist Ideas

Search

ENG IN 09:06 06-06-2024

D:\os programs\salary.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)

Classes Del Hierarchy.cpp University.cpp new_shapes.cpp salary.cpp

main(): int

```
1 #include <iostream>
2 #include <iomanip> // For setprecision
3
4 int main() {
5     char grade;
6     double salary;
7
8
9     std::cout << "Enter the grade of the employee (A/B): ";
10    std::cin >> grade;
11
12    std::cout << "Enter the employee salary: ";
13    std::cin >> salary;
14
15
16    double bonus = 0.0;
17    if (grade == 'A') {
18        bonus = 0.05 * salary;
19    } else if (grade == 'B') {
20        bonus = 0.10 * salary;
21    }
22
23
24    if (salary < 10000) {
25        bonus += 0.02 * salary;
```

D:\os programs\salary.exe

```
Enter the grade of the employee (A/B): A
Enter the employee salary: 800000
Salary = $800000
Bonus = $40000.00
Total to be paid: $840000.00

-----
Process exited after 34.08 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: D:\os programs\salary.exe
- Output Size: 2.99219608306885 MiB
- Compilation Time: 0.75s
```

Shorten compiler pat

Line: 31 Col: 5 Sel: 0 Lines: 38 Length: 809 Insert Done parsing in 0.125 seconds

29°C Mostly cloudy

Search

09:11 06-06-2024