

C:\Users\abhigna\Documents\inheritence 2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug inheritance shape.cpp inheritance 2.cpp

```
1 #include <iostream>
2 #include <string>
3 using namespace std;
4 class Vehicle
5 {
6     protected:
7         string make;
8         string model;
9         int year;
10    public:
11        Vehicle(const std::string& make, const std::string& model, int year) {
12            make = make;
13            model = model;
14            year = year;
15        }
16        const string& getMake() const { return make; }
17        void setMake(const string& make) { this->make = make; }
18        const string& getModel() const { return model; }
19        void setModel(const string& model) { this->model = model; }
20        int getYear() const { return year; }
21        void setYear(int year) { this->year = year; }
22    };
23    class Car : public Vehicle
24    {
25    }
26 }
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\inheritence 2.exe
- Output Size: 1.84099769592285 MiB
- Compilation Time: 1.86s

Line: 3 Col: 6 Sel: 0 Lines: 63 Length: 2643 Insert Done parsing in 0.032 seconds

C:\Users\abhigna\Documents\inheritence 2.exe

Car Details:

Make: Toyota

Model: Camry

Year: 2022

Seating Capacity: 5

Fuel Type: Gasoline

Truck Details:

Make: Ford

Model: F-150

Year: 2022

Payload Capacity: 2000 lbs

Towing Capacity: 8000 lbs

Process exited after 0.1944 seconds with return value 0

Press any key to continue . . .

C:\Users\abhigna\Documents\inheritence 5.cpp - [Executing] - Dev-C++ 5.11

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(globals)
Project Classes Debug inheritance shape.cpp inheritance 2.cpp inheritance 3.cpp inheritance 4.cpp inheritance 5.cpp

```
1  #include <iostream>
2  #include <string>
3  using namespace std;
4  class Person
5  {
6  protected:
7      string name;
8      int age;
9      string gender;
10 public:
11     Person(const string& name, int age, const string& gender)
12         : name(name), age(age), gender(gender) {}
13     const string& getName() const { return name; }
14     void setName(const string& name) { this->name = name; }
15     int getAge() const { return age; }
16     void setAge(int age) { this->age = age; }
17     const string& getGender() const { return gender; }
18     void setGender(const string& gender) { this->gender = gender; }
19 };
20 class Student : public Person
21 {
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\inheritence 5.exe
- Output Size: 1.84099769592285 MiB
- Compilation Time: 2.34s
```

Line: 63 Col: 1 Sel: 0 Lines: 65 Length: 2501 Insert Done parsing in 0.078 seconds



Type here to search



33°C Haze



12:09
23-02-2024

C:\Users\abhigna\Documents\inheritance shape.cpp - [Executing] - Dev-C++ 5.11

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```
1  #include <iostream>
2  #include <cmath>
3  using namespace std;
4  class Shape
5  {
6  protected:
7      double height;
8      double width;
9  public:
10     Shape(double h, double w) : height(h), width(w) {}
11     virtual double area() = 0;
12     virtual double perimeter() = 0;
13 };
14 class Rectangle : public Shape
15 {
16 public:
17     Rectangle(double h, double w) : Shape(h, w) {}
18     double area() override
19     {
20         return height * width;
21     }
```

Compiler (4) Resources Compile Log Debug Find Results Close

Line	Col	File	Message
18	17	C:\Users\abhigna\Documents\inheritance shape.cpp	[Warning] override controls (override/final) only available with -std=c++11 or -std=gnu++11
22	22	C:\Users\abhigna\Documents\inheritance shape.cpp	[Warning] override controls (override/final) only available with -std=c++11 or -std=gnu++11
33	17	C:\Users\abhigna\Documents\inheritance shape.cpp	[Warning] override controls (override/final) only available with -std=c++11 or -std=gnu++11
38	22	C:\Users\abhigna\Documents\inheritance shape.cpp	[Warning] override controls (override/final) only available with -std=c++11 or -std=gnu++11

Line: 49 Col: 1 Sel: 0 Lines: 50 Length: 1255 Insert Done parsing in 0.032 seconds

Type here to search



32°C Haze

ENG

11:34
23-02-2024

C:\Users\abhigna\Documents\inheritance shape.exe

Rectangle Area: 50, Perimeter: 30
Triangle Area: 12, Perimeter: 16

Process exited after 0.5165 seconds with return value 0
Press any key to continue . . .

C:\Users\abhigna\Documents\inheritence 3.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug inheritance shape.cpp inheritance 2.cpp inheritance 3.cpp

```
3 using namespace std;
4 class Animal
5 {
6     protected:
7         string name;
8         string species;
9         int age;
10    public:
11        Animal(const string& name, const string& species, int age): name(name), species(species), age(age) {}
12        const string& getName() const { return name; }
13        void setName(const string& name) { this->name = name; }
14        const string& getSpecies() const { return species; }
15        void setSpecies(const string& species) { this->species = species; }
16        int getAge() const { return age; }
17        void setAge(int age) { this->age = age; }
18    };
19    class Cat : public Animal
20    {
21    private:
22        string color;
23        string breed;
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\inheritence 3.exe
- Output Size: 1.8408374786377 MiB
- Compilation Time: 2.20s

Line: 62 Col: 1 Sel: 0 Lines: 64 Length: 2339 Insert Done parsing in 0.125 seconds

Type here to search



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ENG

11:52
23-02-2024

C:\Users\abhigna\Documents\inheritence 4.cpp - [Executing] - Dev-C++ 5.11

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(globals)
Project Classes Debug inheritance shape.cpp inheritance 2.cpp inheritance 3.cpp inheritance 4.cpp

```
6   protected:
7       string name;
8       int id;
9       double salary;
10  public:
11      Employee(const string& name, int id, double salary): name(name),
12      const string& getName() const { return name; }
13      void setName(const string& name) { this->name = name; }
14      int getId() const { return id; }
15      void setId(int id) { this->id = id; }
16      double getSalary() const { return salary; }
17      void setSalary(double salary) { this->salary = salary; }
18  };
19  class Manager : public Employee
20  {
21  private:
22      string department;
23      double bonus;
24  public:
25      Manager(const string& name, int id, double salary, const string& d
26      : Employee(name, id, salary), department(d), bonus(b)
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\inheritence 4.exe
- Output Size: 1.84100914001465 MiB
- Compilation Time: 1.98s
```

Line: 61 Col: 49 Sel: 0 Lines: 64 Length: 2425 Insert Done parsing in 0.203 seconds

Type here to search



33°C Haze ENG

12:02
23-02-2024

C:\Users\abhigna\Documents\inheritence 4.exe

Manager Details:
Name: John
ID: 1001
Salary: \$5000
Department: Sales
Bonus: \$1000

Engineer Details:
Name: Alice
ID: 2001
Salary: \$6000
Specialty: Software Development
Hours: 40

Process exited after 0.2515 seconds with return value 0
Press any key to continue . . .