**package** accessModifiers;

**class** Data {

**public** **int** num1;

**public** **int** num2;

**private** String code = "Hello World";

// This function returns the code which is private and cannot be accessed directly outside the class

**public** String getCode() {

**return** **this**.code;

}

**protected** **int** sum() {

**return** **this**.num1+**this**.num2;

}

**void** greet() {

System.***out***.println("Hello");

}

}

**public** **class** accessModifiers {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Data data = **new** Data();

data.num1 = 10;

data.num2 = 15;

System.***out***.println("Default access specifier1: ");

data.greet();

System.***out***.println("\nProtected access specifier: ");

System.***out***.println("Sum: "+data.sum());

System.***out***.println("\nPublic access specifier: ");

System.***out***.println("Code: "+data.getCode());

System.***out***.println("\nPrivate access specifier: ");

// System.out.println(this.code);

//this will throw an error as we are trying to access the private attribute

}

}