Create a class Employee with contains the following fields like id, name, salary, address, mobileNumber

Apply private modifier and show the accessibility within the class

**package** com.madhu.assignments2;

**public** **class** Employee

{

**private** **int** id = 101;

**private** String Name = "Manasa";

**private** **float** Salary = 11111;

**private** String Address = "XYZ";

**private** **long** Mobilenumber = 1233456;

**private** **void** show()

{

System.***out***.println("Checking the Private modifier accessibility within the class");

}

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

{

Employee obj = **new** Employee();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Name : " + obj.Name);

System.***out***.println(" Salary : " + obj.Salary);

System.***out***.println(" Address : " + obj.Address);

System.***out***.println(" Mobilenumber : " + obj.Mobilenumber);

obj.show();

}

}

Apply default modifier and show the accessibility outside the class

**package** com.madhu.assignments2;

**public** **class** Employee

{

**int** id = 101;

String Name = "Manasa";

**float** Salary = 11111;

String Address = "XYZ";

**long** Mobilenumber = 1233456;

**void** show()

{

System.***out***.println("Checking the Private modifier accessibility within the class");

}

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

{

Employee obj = **new** Employee();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Name : " + obj.Name);

System.***out***.println(" Salary : " + obj.Salary);

System.***out***.println(" Address : " + obj.Address);

System.***out***.println(" Mobilenumber : " + obj.Mobilenumber);

obj.show();

}

}

**package** com.madhu.assignments2;

**public** **class** Employee1 **extends** Employee

{

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

{

Employee1 obj = **new** Employee1();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Name : " + obj.Name);

System.***out***.println(" Salary : " + obj.Salary);

System.***out***.println(" Address : " + obj.Address);

System.***out***.println(" Mobilenumber : " + obj.Mobilenumber);

obj.show();

}

}

Apply protected modifier and show the accessibility outside the package

**package** com.madhu.assignments2;

**public** **class** Employee

{

**protected** **int** id = 101;

**protected** String Name = "Manasa";

**protected** **float** Salary = 11111;

**protected** String Address = "XYZ";

**protected** **long** Mobilenumber = 1233456;

**protected** **void** show()

{

System.***out***.println("Checking the Private modifier accessibility within the class");

}

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

{

Employee obj = **new** Employee();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Name : " + obj.Name);

System.***out***.println(" Salary : " + obj.Salary);

System.***out***.println(" Address : " + obj.Address);

System.***out***.println(" Mobilenumber : " + obj.Mobilenumber);

obj.show();

}

}

**package** com.madhu.assignments22;

**import** com.madhu.assignments2.Employee;

**public** **class** Employee2 **extends** Employee

{

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

{

Employee2 obj = **new** Employee2();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Name : " + obj.Name);

System.***out***.println(" Salary : " + obj.Salary);

System.***out***.println(" Address : " + obj.Address);

System.***out***.println(" Mobilenumber : " + obj.Mobilenumber);

obj.show();

}

}

Apply public modifier and show the accessibility outside the package without using inheritance

**package** com.madhu.assignments2;

**public** **class** Employee

{

**public** **int** id = 101;

**public** String Name = "Manasa";

**public** **float** Salary = 11111;

**public** String Address = "XYZ";

**public** **long** Mobilenumber = 1233456;

**public** **void** show()

{

System.***out***.println("Checking the Private modifier accessibility within the class");

}

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

{

Employee obj = **new** Employee();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Name : " + obj.Name);

System.***out***.println(" Salary : " + obj.Salary);

System.***out***.println(" Address : " + obj.Address);

System.***out***.println(" Mobilenumber : " + obj.Mobilenumber);

obj.show();

}

}

**package** com.madhu.assignments22;

**import** com.madhu.assignments2.Employee;

**public** **class** Employee3

{

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

{

Employee obj = **new** Employee();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Name : " + obj.Name);

System.***out***.println(" Salary : " + obj.Salary);

System.***out***.println(" Address : " + obj.Address);

System.***out***.println(" Mobilenumber : " + obj.Mobilenumber);

obj.show();

}

}

Create a class Student with contains the following fields like id, name, firstName, lastName, address

Apply private modifier and show the accessibility within the class

**package** com.madhu.assignments2;

**public** **class** Student

{

**private** **int** id = 101;

**private** String Firstname = "Manasa";

**private** String Lastname = "Viswa";

**private** String Address = "XYZ";

**private** **void** show()

{

System.***out***.println("Checking the Private modifier accessibility within the class");

}

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

{

Student obj = **new** Student();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Firstname : " + obj.Firstname);

System.***out***.println(" Lastname : " + obj.Lastname);

System.***out***.println(" Address : " + obj.Address);

obj.show();

}

}

Apply default modifier and show the accessibility outside the class

**package** com.madhu.assignments2;

**public** **class** Student

{

**int** id = 101;

String Firstname = "Manasa";

String Lastname = "Viswa";

String Address = "XYZ";

**void** show()

{

System.***out***.println("Checking the Default modifier accessibility within the class");

}

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

{

Student obj = **new** Student();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Firstname : " + obj.Firstname);

System.***out***.println(" Lastname : " + obj.Lastname);

System.***out***.println(" Address : " + obj.Address);

obj.show();

}

}

**package** com.madhu.assignments2;

**public** **class** Student1 **extends** Student

{

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

{

Student1 obj = **new** Student1();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Firstname : " + obj.Firstname);

System.***out***.println(" Lastname : " + obj.Lastname);

System.***out***.println(" Address : " + obj.Address);

obj.show();

}

}

Apply protected modifier and show the accessibility outside the package

**package** com.madhu.assignments2;

**public** **class** Student

{

**protected** **int** id = 101;

**protected** String Firstname = "Manasa";

**protected** String Lastname = "Viswa";

**protected** String Address = "XYZ";

**protected** **void** show()

{

System.***out***.println("Checking the Protected modifier accessibility within the class");

}

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

{

Student obj = **new** Student();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Firstname : " + obj.Firstname);

System.***out***.println(" Lastname : " + obj.Lastname);

System.***out***.println(" Address : " + obj.Address);

obj.show();

}

}

**package** com.madhu.assignments22;

**import** com.madhu.assignments2.Student;

**public** **class** Student2 **extends** Student

{

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

{

Student2 obj = **new** Student2();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Firstname : " + obj.Firstname);

System.***out***.println(" Lastname : " + obj.Lastname);

System.***out***.println(" Address : " + obj.Address);

obj.show();

}

}

Apply public modifier and show the accessibility outside the package without using inheritance

**package** com.madhu.assignments2;

**public** **class** Student

{

**public** **int** id = 101;

**public** String Firstname = "Manasa";

**public** String Lastname = "Viswa";

**public** String Address = "XYZ";

**public** **void** show()

{

System.***out***.println("Checking the Public modifier accessibility within the class");

}

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

{

Student obj = **new** Student();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Firstname : " + obj.Firstname);

System.***out***.println(" Lastname : " + obj.Lastname);

System.***out***.println(" Address : " + obj.Address);

obj.show();

}

}

**package** com.madhu.assignments22;

**import** com.madhu.assignments2.Student;

**public** **class** Student3

{

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

{

Student obj = **new** Student();

System.***out***.println(" id : " + obj.id);

System.***out***.println(" Firstname : " + obj.Firstname);

System.***out***.println(" Lastname : " + obj.Lastname);

System.***out***.println(" Address : " + obj.Address);

obj.show();

}

}

Create a class Calculate and create methods with integer and decimal arguments and perform arthimetic operations

**package** com.assignment;

**public** **class** Calculate

{

**void** add(**int** a, **int** b)

{

System.***out***.println("Defining integer values");

**int** c = a + b;

System.***out***.println("Addition of a and b is : " +c);

**int** d = a \* b;

System.***out***.println("Multiplication of a and b is : " +d);

**int** e = a / b;

System.***out***.println("Division of a and b is : " +e);

**int** f = a % b;

System.***out***.println("Modulo of a and b is : " +f);

**int** x = a - b;

System.***out***.println("Subtraction of a and b is : " +x);

}

**void** add(**float** a, **float** b)

{

System.***out***.println("Defining Decimal values");

**float** c = a + b;

System.***out***.println("Addition of a and b is : " +c);

**float** d = a \* b;

System.***out***.println("Multiplication of a and b is : " +d);

**float** e = a / b;

System.***out***.println("Division of a and b is : " +e);

**float** f = a % b;

System.***out***.println("Modulo of a and b is : " +f);

**float** x = a - b;

System.***out***.println("Subtraction of a and b is : " +x);

}

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

{

Calculate obj = **new** Calculate();

obj.add(10, 20);

obj.add(30.1f, 20.0f);

}

}

create a class, take methods with number of arguments and perform arthimetic operations

**package** com.assignment;

**public** **class** Calculate1

{

**void** add(**int** a, **int** b)

{

**int** c = a + b;

System.***out***.println("Addition of two integers:" + c);

}

**void** add(**int** a, **int** b, **int** c)

{

**int** d = a + b + c;

System.***out***.println("Addition of three integers:" + d );

}

**void** multiply(**float** a, **float** b)

{

**float** c = a \* b;

System.***out***.println("Multiplication of two integers:" + c);

}

**void** multiply(**float** a, **float** b, **float** c)

{

**float** d = a \* b \* c;

System.***out***.println("Multiplication of three integers:" + d);

}

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

{

Calculate1 obj = **new** Calculate1();

obj.add(10, 25);

obj.add(12, 13, 15);

obj.multiply(15, 17);

obj.multiply(14, 28, 22);

}

}

Create a class Student, create a method called calculate() pass the subject marks as arguments and calculate total and average ??

**package** com.assignment;

**public** **class** Student

{

**void** marks(**int** math, **int** physics, **int** java, **int** c)

{

**int** total = math + physics + java + c;

**float** average = total / 4;

System.***out***.println("Total marks :" + total);

System.***out***.println("Average Total marks :" + average);

}

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

{

Student obj = **new** Student();

obj.marks(75, 89, 93, 88);

}

}