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);

	}
}
```