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package Lab\_6;

public class OverloadingExample {

    public void display(int a){

        System.out.println("Method with one integer argument: " +a);

    }

    public void display(int a, int b){

        System.out.println("Method with two integer argument: " + a + "," + b);

    }

    public void display(double d){

        System.out.println("Method with one double argument: " +d);

    }

    public void display(int a, String s){

        System.out.println("Method with an integer and a String: " + a +", " +s);

    }

    public static void main(String [] args){

        OverloadingExample obj = new OverloadingExample();

        obj.display(5);

        obj.display(5, 10);

        obj.display(5.5);

        obj.display(5, "Abdul Hasib Zahid");

    }

}

package Lab\_6;

public class ChildClass extends ParentClass {

    @Override

    public void showMessage(){

        System.out.println("Message from child class");

    }

}

package Lab\_6;

public class ParentClass {

public void showMessage(){

System.out.println("Message from Parent Class");

}

}

package Lab\_6;

public class OverRidingExample {

    public static void main(String[] args) {

        ParentClass parent = new ParentClass();

        parent.showMessage();

        ChildClass child = new ChildClass();

        child.showMessage();

        ParentClass ref =  new ChildClass();

        ref.showMessage();

    }

}

package Lab\_6;

public class TypePromotion {

    public void m1(int i){

        System.out.println("Hello");

    }

    public void m1(float f){

        System.out.println("Java");

    }

    public static void main(String[] args) {

        TypePromotion t = new TypePromotion();

        t.m1(10);

        t.m1(10.5f);

        t.m1('a');

        t.m1(101);

    }

}