1. What is the output of the following program?

package main;

class Parent {

public void display() {

System.out.println("Parent");

}

}

class Child extends Parent {

public void display() {

System.out.println("Derived");

}

}

class Main{

public static void doDisplay( Parent o ) {

o.display();

}

public static void main(String[] args) {

Parent x = new Parent();

Parent y = new Child();

Child z = new Child();

doDisplay(x);

doDisplay(y);

doDisplay(z);

}

}

out put:

Parent

Derived

Derived

2. What is the output of following program?

class Coordinate {

int x, y;

public Coordinate(int x, int y) {

this.x = x;

this.y = y;

}

}

public class Main {

public static void main(String args[]) {

Coordinate p = new Coordinate();

System.out.println("x = " + p.x + ", y = " + p.y);

}

}

out/put:

error: constructor Coordinate in class Coordinate cannot be applied to given types;

Coordinate p = new Coordinate();

^

3. What is the output of following program?

public class Test {

int x = 2;

Test(int i) { x = i; }

public static void main(String[] args) {

Test t = new Test(5);

System.out.println("x = " + t.x);

}

}

output:

x = 5

4. What is the output of following program?

class SuperClass {

protected void foo() {}

}

class Child extends SuperClass {

void foo() {}

}

public class Test {

public static void main(String args[]) {

Child child = new Child();

child.foo();

}

}

out/put:

error: foo() in Child cannot override foo() in SuperClass

void foo() {}

^

5. What is the output of the following program?

public class Test {

public static void test(String s)

{

System.out.println("In String");

}

public static void test(Object o) {

System.out.println("In Object");

}

public static void main(String args[]) {

test(null);

}

}

o/p:

In String