

## **LABORATORY WORK BOOK**

		Student: MD Matecn					Roll Numbe	r		1
Class Semester I									5 B	
Course Code: ACSD03 Course Name: OOPs Java Lab 23951 A 05										
Nan	ne of the	Course Faculty	Dwive	edi			Faculty ID :	TAR	E - 10	\$ 57
Exe	rcise Nu	mber:14	Week	Number :	14		Date :19	19.12	024	
	Exercise Number	EXERCISE NAME		,		S AWARDED				
S. No.			Aim/ Preparation			Source Code Calculations and Graphs	Program Execution Results and Error Analysis	Viva - Voce	Total	
			4	4		4	4	4	20	
1	14.1	Abstract super class	4	2	2	4	U	4	20	
2	14.2	Geometric object			,	7 E 1	, , , , , , , , , , , , , , , , , , ,			
3	14.3	movable Interface				<u>k</u>	, ,			
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Signature of the Student

Signature of the Faculty

## START WRITING FROM HERE

```
Abstract class
Class shape &
   Protected string Name;
      Public shape (string Name) {
         this name = name;
    Protected abstract doubleget Area ();
    Protected abstract double get personneter ();
      Public string get Norme() 2
             return name;
       public class circle extents shap q
        Protected double radius;
           public circle (string name, double radius) {
              Super (name);
          This radius = radius;
       Super (name);
```

```
This length = length;
 this . width = width; 7 .
  Protected double get perimets () {
    return a* (length + width);
   74
  public class square extens dectangle d
          Public Savorre (String norme, doubleside) {
          Super (norme, side)
                            one with date of a
   Result:
  Compilation Error.
                         MUN STURM THUNK
Geométric Object del mora plan
  public get intérface Géometric Object à
        double get Area ();
         double get perimeters;
      public class circle implements Geometric Object &
        private double radius;
         public evode (double radius),
          This radis = radius;
```

**ROLL NUMBER:** 

```
Public double get Arca () {

Teturn Math. Pt. * radius * radius;

Public double get perimeter () {

Teturn &* Math. Pt * radius;

Perult: Runhme from

Moviable Interface

Public interface algorith.
```

Public interface Movable {

Void move vero,

void move down();

Void move left();

void move sight();

}

public class movable point implements movable;

public int x;

public int y',

4/16

Public morable point (intx, inty){ this x = x; this. y = y', Public Void morable up() & 3++; 3 public void movable down() & 4 -- ; Public void morable let () { x - - '; 3 Public void main right 172 え サナ ; 3