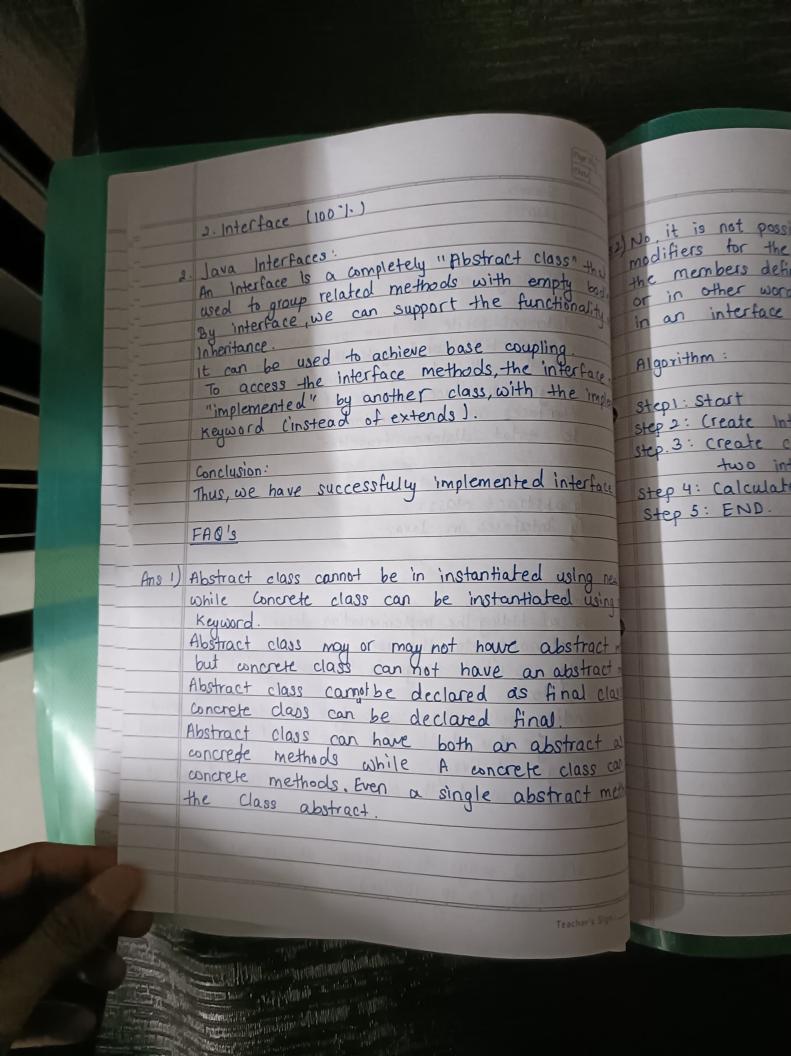
oiboba Devanshu Surana that ha PC-23,1032210755 ther than Batch CI complier ies the fun oocc) Lab Assignment 3B nction. Problem Statement: Write a Java program to create two Interfaces Motorbike and cycle. Notorbike interface controls nember? ansists of the attribute speed and the method total Dist-: Dinks -ance (). Cycle interface consists of the attribute Time. used to de These interfaces are implemented by the class Two wheeler. 53 definition calculate total distance travelled mespace m Objective: 35 Overlow To study abstract class. ned as me 2. To study interfaces in Java. 1. Java Abstraction: 100 100 100 1000 1000 Theory: 55 To imp - A process of hiding the implementation details and showing only functionality to the user. Shows only essential things to the user and hides the Ex: sending sms where you type the text and send the message. You don't know the Internal processing about the message delivery. internal details. ecifier for members It focuses on what the object does instead of how it are prisi are 2 ways to achieve abstraction in Java: does it. Abstract class (0 to 100 1.) There



No it is not possible to define private and protected modifiers for the members in Interfaces in Java. As the members defined in interfaces are implicitly public other words, we can say the members of " that pality of or in other words, we can say the member defined in an interface is by default public. Algorithm: Face mu 'implement Step1: Stort step 2: Create Interface motorbike and cycle. step. 3: create class two wheeler which implements the two interfaces. rface in step 4: calculate total distance Step 5: END. g new h act me class t as method

Name: Devanshu Surana

Roll No.: 23 Panel: C Batch: C1

OOCCJ LAB ASSIGNMENT 3B

```
CODE:-
import java.io.*;
import java.lang.*;
import java.util.*;
interface Motorbike
 int speed = 80;
 public void totalDistance ();
}
interface Cycle
{
 int distance = 300;
 public void speed ();
class TwoWheeler implements Motorbike, Cycle
{
 Scanner myObj = new Scanner (System.in);
 public void totalDistance ()
                         //System.out.println("Enter Speed");
//salary=myObj.nextInt(); System.out.println(" Speed: "+ speed);
 }
```

```
public void speed ()
                       //System.out.println("Enter Distance");
//salary=myObj.nextFloat(); System.out.println(" Distance: "+ distance); }
}
class devanshu
{
  public static void main (String args[])
 {
  TwoWheeler Activa = new TwoWheeler ();
    Activa.totalDistance ();
    Activa.speed ();
}
}
OUTPUT
 Speed: 80
(base) computer@computer:~/Desktop$
```