```
Public Class Student
     String name,
     INE ROLLNO;
     String Subject ;
     int masks ,
   public Student ( String name, int ROIINO, String Subject
                                int marks)
      Super ( );
      this name = name;
       this soll No = ROLLNO;
       this subject = Subject ;
      this Marks = marks ;
   Public String tostring()
   seturn " String [ name = " + name + " , ROHNO:
+ ROINO", Sub + Sub : " , Marks : " + marks "]",
```

	EXPERIMENT: No. Page No. Date
- >	Nome Comparator:
#	Emport java util Comparator; Public abstract class Name comparator implements
	Public int compare (Student S1, Student S2)
	return S1 Name Comparatolgnose Case
	3 (S2 nome);
\Rightarrow	Maxks Comparator.
# .	impost java util Composatos; Public abstract Class Marks Composatos implements
	S Composatos & Student
	Public int Compose (Student S1. Student S2) § **Setuan (int) (S1. maxks - S2 maxks);
	3
Sundaram	Teacher's Sign.:

```
#
    impost Java util Arrays;
     Public Class Student Main
      Private Static Student [] Student Array Creation ()
         Student P1 = new Student ('Reema", 1, Maths", sal
         Student P2 = new Student ("Ream", 2, "History", 85),
         Student P3 = new Student L'Anjali", 5, "Science", 75)
        Student Pu = new student L" Diksha", 14, " Hindi", 90); _
        Student [] axx = { P1, P2, P3, P43,
            return arr;
    Private Static void main Name Composatos call Student
                                        [] ass)
         System out pointin ( 'Nome");
        Arrays Sort (088, new NameComporator()),
        Fox (Student S : ass)
           system out pointln ( s + " ");
       System. out-printin ();
```

EXPERIMENT: No. Private Static void Marks Componator call Student System out printin ("Marks"); Assays . Soxt (ass); Fox (Student S: ask) System out printings + " "); system out printin (); Public Static void main (Strings] orgs) Student[] 088 = Student Array Creation() name Comparator Calllax); Marks Comparator Call (arr); Teacher's Sign Sundaram

EXPERIMENT: (2) => Public class Rectargle Private int length; Private int breadth; Public Int getlength () return length; public void setlength (int length) if (length & 10 11 length > 50) System out printin (Enter length between 10 to 50"), this length = length Public int getBreadth() return breath; Public void SetBreadth (int breadth) if (b<5 11 b>20) Sundaram Teacher's Sign.

```
5
    System out printin ( enter breakdth between 5820)
3
this breadth = breadth ;
Public Rectangle ( int length , int breadth)
      Set Length ( Length);
      Set Breadth ( breadth);
3
@ overside
Public String toString ()
     return " Rectangle [ length = " + get Length ( ) + ",
          Breadth = " + getBreadth ( ) + "]" + "[area = "+
                          get Length () + get Broadth () + "];
```

EXPERIMENT: Impost java util Scannes; Public clas Rectangle AxeaMain Public Static void main (String[] args) Califectangle (); Private Static void califectangle () @ suppersswarnigs (' resource ") Scanner SC = new Scanner (System in); System out printin ("Enter length of the sectangle :") int length = Sc nextInt (); System out println (Enter Breadth of the Rectangle "); int breadth = Sc nextInt (); Rectangle R1 = new Rectangle (length , breadth). System out printin (R1) Teacher's Sign :____ Sundaram