```
public class Student {
       private String name;
       private double grade;
   public void setName (Stroing name) {

This name = name;
    public Strong get Name () smoon = smoon = sint
       return name;
                       void play Of
 public void set Ginade (double greade) {
        -this grade = grade;
public double gelocnode (){
     return grade;
```

```
Friends soois stilling
Output:
    Alice Wondorland
    95.5
               private double grade?
class Instrument Super = small side
    String name;
Instrument (Stroing name) & silding this. name = name;
 void play () {
System. out. println ("Playing the" + name);
 void tune () { ) simt bior
  System. out. println ("Tuning the"+ name);
                      retion grade;
```

class Gruitor extends Instrument & (Default constrauctors Guiter () { supor ("Instrument"); यथान नाभ पुरुष object . टारक्लीट २८१, ७ श्रान parcent class Instrument 4 "Instrument photos) Guiter (String tonm) { Super (form); (constructor or omig age paint ") al fring the off off pass to the like ukulele) (Not parcent class @ overoride -197 constructor a TIGA 1949 name, variable & save void play () { System. out. println ("Strumming the quitor !); public dass MusicStone (void Hune (String tuning) st - until System. out. print In ("Tuning the guitor to"+ ment ("Instrument"): Enstraumental=play (); instrumental, tune();

class Piano extends Instrument ? Default constitution togo 100 piano (String form) f (mnot) require class transport Ellalia Hownellsul, b) tune (string tuning) (mont) require still the system out proint In (" Tuhing the piano abouto"+tuning); यत constant ou व पाद 246 Lower Reaciaple a save () ppg biov Eystemout paintln ("Staumming the fuller!); 1 public dass MusicStone { public static void main (String [] augs){ + of Joting of Instrumental = new Instrumental = new Instrumental ment ("Instrument"); : (phinut Instrumental-play (); instrumental, tune();

ukulele = new Gruiten ("Ukulele"): Guiter (b) System.out pirint In (likulele. name + " is the smallest from of Guiter"); ukulele. play (); print ?: libra ukulele. tune ("DTTOP D"); 1- trains cript: Trans 6 kalimba = new Piano ("Kalimba"); System.out. preintlni (Kalimba.name+"is also Known as Pocket piano");! Kalimba. tune (key 440"); - to ack in! in +result calpulation (): double

some on the letter men whiten ("Uky (o.1) odt si a smoon de la Student !. (noting +name: String - id: Stroing - email: Stroing - tregistration No: int Piano Kalimba = new Piano ("Kalimba"): System.out. biov: (30 and felipher. name + " is also "); College Les Tilo Transcript - tnack_id: int + result calculation (): double

```
abstract class Flower &
                               SMING
       abstract void petal ();
       void colon () s
       System.out.praint In (" The colors Jesmine is
                       a pale tint of yellow");
   class Jesmine extends fower {
  public class Invalid (Delage biov exters
         System.out. primt In ("Jesmine petals are edible")
Systemout prantin ("Petals of Jesmine
                      ; (= maistucize owc skim");
    public class Main {
       public static void main (Stroing [] augs) of
     Jesmin j = new Jesmin ();
            j. petal ();
         j. colon();
```

as - Spreing 2024 (2.a) : () belog bing touchtain Output: el shimes OADFG411 ") n! tribag tuo materi 2.d) Custom Exception for Votor Eligibilityclass desmine extends towars public class Invalid Voten Exception exteds System? notites not mine petals are edible public Invalid Voloc Exception (String message) S : ("mixa super (message); public class Test Custom Exception S static void validated Age (int age) throws Invalid Votor Exception S i. petal (); of J. colon ();

```
if (age <18) of
    throw new Invalid Votor Exception ("Age is
               not enough to vote");
  else {
   System.out.println ("You are eligible to vote")
public static moid main (String [] augs){
  -tray {
      validate Age (15);
   catch (Invalid Votoc Exception e) {
   System.out.pnintln ("Found the exception");
   System. out. println ("Exception occurred: "+e);
```