R. Harsha Kylo 1923/1087 Interitance Single Inheritance class A { public void dish () { System. out. println ("Parent class A")0; Class & Jestends A & public word distal) { System. out . println ("Child class B"); public class Main { public static void main (-String [] args) { bobj = new b(); doj . dish (); outhort :-Parent class A obj dish 1 (); Child class B Multilevel inheritance class as hublic word lish() 5 Systen. out. println ("Porent class A"); class blestads a ? public word disp 1 (13 System. at first ("child class B"); class a extends b { public word desp 2 (1 } system . at firently (" child class c");

public class main & hubble statis wid main (String [] args ) { c obj = new c(1; obj - dish (); outfut: Parent class + obj · dish 2(); Child class & obj. dish2 (); child class Hierarchial class a { System at hintle ("Parent class A"); class b extends a { b (15 System out. bristles (" shild class to"); Outfut: - Parent class A c extends a { child class c Perent class A System out . prentle (" Child class & "); child clays Jublic class Main & public static void main (stering [] args) { c dij = new c (); le objt new b();

```
H sorid
Class a 3
      public word dish A() {
            Systen . oil . frint la ("Class A");
 class be extends a s
       hubble void dish B() {
            System. out. frientles ("closs 8");
 clars coatends lo {
       public word desh ( () {
            System. out. heintln (" class c").
 class D extends & §
         huldic word dest d () {
             System out . println ("class ");
  Class Main ?
     Jublic static void main (5thing [] dejongs) {
        c dois = new c();
         obj dish A();
                                     Outfut - class A
         oly dup BC/;
                                             class B
         obj dish cl);
                                             Class (
```

```
11 altiple interitance
interface to
  ent a=10;
 roois dish A();
interface B

int b=5;

rooid dish b;
 class & inflerent A, D
 int c= 5;
 hobbic word dish +()
  System . oid . pristly ("a = "+a);
 public word dispB (/
    System out. fourth ("lo = "+ lo);
                                               Output :- a + lete = 30
  public word dish c ()
   uglen oil . hint In ("c="+c)
  woid proof () &
     5 oslem. out breatly ("a+b+c="+(a+b+e)); 3 3
  Class Main {
    tuldie states word main (String [ ]
        obj Afromy ();
```

```
A gitmetic Exception
public class Main {
    public static void main (String [] args) {
     int a = 5 , b = 0 ;
      System. at . println (a/b);
      eateh (A jutmetic Faception e) {
          System. out. println ("Divide logo"); 3
 Agray Index out of founds Exception
 Public clas Main
 public static void main (String [] args) &
  Long
   int a [] = {1,2,3};
   System. out. fruitle (a[10]);
  catch ( A very Index Out Of Bounds & scothion e)
   System . od . friently ("A goray I order of Bounds Facethion");
 佛?
```

```
class not found Earchtion
hublic class Main {
    fullie static void main (String args[])
     class. for Name ("A");
    eatel (class Not Fond Excettion e) {
          e first Stock Trace ();
  Io Eacetion
  import java . io . * ;
  Class Mais &
   public static void main (5 Tring [] args) {
   tous ?
      Fill new File = new File ("text . txt");
      File I sput System stereon = new File Input Stream (new File);
    estel (IO Exception 2) ?
        System out . println ( e · get Mellage ());
```