Inhoritance ! -) Single -) Multiperel -) Muliple -) heimrchical -) hybrid Single inhoritance; class A A vold dis A () 4 System. out pointle ("A"); 44 class & extends A of void des BC) of System. out. printlo ("B"): 33 class test of Publie static void main (string [] args) of Bobj = new B(); objadis A (). Obj. dis B (); 33 output multilevel inhoutance class A of

void disA() System . Out . printle ("A") : 32.

Clan B extends A of Void disB() System. out. pour la CB"); 44

clan c extends B of told deal) of System out pounter ("c"); 33 class Main of public static void main (String LJ augs) of c d = newc(); d.disA(); d. disBC). d. disc(); 42 Output A B Heinarchy Class A H void dis A () of System. out. points ('A''); 33 clan B extends A h Void des B () of System and pointle ("B"); 3 class C extends A of void dis B () of System. Out. printle ("C");) class Main of Public Static void main (String I) was cd = newc); d. disco; 44 Output

rulliple class A of ent a ! ACIA a=5; 3 void Display Al) of System out printle (a); 33 interface B of int b = 10; void display B();3 class c extends A implemends B & int (; (C) A (=15; 4 public Stal void desplay B123 System. Out. println. (b); y public void désplay c (17 System. out printer (c) ; 44 class main of publie statie void main (stowing 1) args) of Cd = new ((). d. desplayA (). d. displays of;
d. displays of; Output

Exception Handling class not found Exception. publie clan mais 9 publie staire Void mais (Stoing [) augs) touy of class. for Name ("A"); 3 Latch C class Not Found Exception e) of e. print stack Totale (); 342, Arithmetic Exception publie class main de Void main (String L7 dogs) 2) System out printes (" Code in touy Abrile) catch C Arriany Arithmelie Exception e) of System. out. println ("Exception"); 437. Agoray Indexout of Bound class maint public static void main (stoungs) or vous h int a [] = 11,2,3 4; System. out. pountln (a[2]); 3 Catch (Agoay Index Out of Bound Excleption e) System. out. pourtle (" + egetMessage 1

No such Method 4) public static void mais (storing [] asgs) of we Class Main of method That Does Not Exist (); } lates (No such Method Exception e) of System. Out. pountln C" Caught No such Mothod Exception: 4 e. getnessage)); } Illegal Argument Exception: 5) class Main J' public void Age (int age) of 4 (age 218) A thrownew Illegal Argument Exception of ("Age must be greater than 18"); the age cage System out pounter (" + age); publie state void main (String [7 args) of Posson p = new posson (): buy of person. Set Age (15); } Catch (Illyal Argument Exception e) of