Lab Program 4

& Develop a gava program to create an abstract Develop a gava for that Contains two integers class named shape that contains print area contains and an empty method named print area (Provede three classes named rulangle brians Provide three classes each one of the classes extends the shope class each one of the class extends the shope class each printarea () 11-Contain only the method printarea () that prints the area of the given shope, imposit java. util. Scanner; abstract class shape int di; int d2; shape (inta, int b) di = a; d2 - b; abstract void perintaria (); class Rectangle extends shape Reitangle (int a, int b) super (a, b) vocal printaria () float area = (float) d, * dz; Systemout. perint In ("Arua of outlangl;"+ aus); class Triangle extends shape Triangle (inta, int 6) super (a, b); void perintaria () float area = (float) d, * d2/2; system.out.println ("Area of the triangle: +area); class aircle extends Shape (inta, intb) Super (a,b); void puintAria() float area = (float) 3.14 x d, x d1; System. out. perintln ("Area of the circle:", + wila); class Main public static void main (string args []) int ch, flag = 0; Scanner 55: new scanner (system in); while (flag ==0)

System.out. println ("Inter the choice area is to be calculated"); system out println (" 1. RECTANGLE In 2 TRIANGLE IN 3 CIRCLE"), ch = ss. next Int(); switch (ch) case 1: System. out. println ("Enter the dimensions of rectangle "); intx: SS. next Int (); int y , ss. next Int (); Rectangle de new Rectangle (x,y). r. printaria (), break; case 2: System.out. perintln ("Enter the dimensions of triangli); ints: SS. nextInt(); int w: ss. nextInt (); Triangle t: new Touangle (s,w). t-puintarea (); break; case 3: System. out. println ("Enter the raclisis of the circle"); int | : SS. next Int (); circle c: new circle (f. f); C. puintarea (); bruah; défault; blag = 1',