import java ulil Scanner, class input Scanner { void rec (rectangle ab) { System out frintly ("Enter the dimensions of the rectargle (Length and Breadth): ") ab. b = input noct Int (); ab. b = input noct Int(); void tri (triangle ab) { Manner (Nystem in) Manner x imput = new aba = input noct Int(); at b = infut northates altract class shape extends Input Icannor & int a, b's abstract void printArea ();

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dass reatangle Docturds shapel's reclarge () ( rec (this) IntArca() {

Nystens out println ("Arca of Rulang)

="+ (double) (arto)] void printArca() { class trainagle actuals makel triangle (tri (this); 3 roid frintArial K. system out printly ("Area of triangle="4 (0,5 at class circle extends shape I circle() { air (this);} rord frint Areal H mytem. obt frintly Area of Circle = "+(3.14\*a\*a))

dars calcl public static void main ( thing I args) { rectangle & = new rectangle(); triangle t = new triangle U', circle ( = new circle ()) 8. printAre(); to frint Area(); c. frint Area ()'s Cutput; Enter dimension of rectangle (Length and theight). Enter Dedimensions of triangle (sorbare and height): 89 Enter radius of circle! Area of Rectangle = 20.0 Area of triangle = 36.0 Area of Girde = 113,039

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