Develop a java program to create an abstract dans named Shape that contains two integers and an empty method named print breal). Brovide three class named Rectargle Triangle and circle such that each one of the classes extends the class shape. Buch of the class contain only the menthod printheal. that frints the area of the given dape. import java util *; abstract dass Shape abstract void printarea (); class Rectangle extends Shape boid printareal) double area = dein1 * dein2;

System. out. println ("Rectangles area is: "

4 area; class Triangle extends Shape void printagea () double area = dim / * dim 2* (0.5) dystem. out. printlul'Isiengles area is:

class carde extends shape void printareal) double area = 3.1415 x dim 1 x dim 1; System. out. paintlis (" carles area is: "+ ara); class deries fublic state word main (String args[]) Rectangle x = meno Rectangle(); $x \cdot \text{printarea();}$ Iriangle t = meno Jaiangle(); $t \cdot \text{printarea();}$ Circle c = meno circle(); $e \cdot \text{printarea();}$