lab! Develop a Java perogram to create on abdiract class named Shape that contains two integers and ar empty method raned print Alexa (). Recovide there classes named Roctorgle Criangle Cièrcle such that each one of the dames extends class shape. Fair one of the classes contain only the mothed printPassa () that points area of given shape. imposit jova util Scarner / closs Input Scarres { at int d1, d2; Scarrer S = new Scarer (System.ir);
Supret Scarrer () { if (this get Class () = = ande doss) System out printly ("Enter radius of cientle:");

al = S. heut Int();

else { System. out. printly ("Enter height and width:"); 21 = S. next Int(); 22 = S. next Int(); Stract class Shope extends Input Scarres () abstract void printArea();

class Towards extends Shape } void point Asea () { System out pointly ("Area of towards is" + (double)(d/+d2)/2); 5 class Rectargle extends Shape { void printAsea () { System. out. println ("Aorea of greaturgle is:" + (double) (2) \* d2)) days circle extends Shape & void pentArea () { System out points ("Alexa of circle is: " + (double) (3.14 \* 11 \* 11)) Class Area Main 1 } public static word main ( String args [ ] ) { Rocturgle or = new pectargle (); Tourngle t = neur Teriangle (); Circle ( = herry (iende ( ) / 97. print Reea () 1 t- perintAcea (); ( printAced ) ;

Output: Enter height and weight: Exter height and weight; Exter rodius of winde: 5\_\_\_\_ Area of rectargle is : 8.0 Area of triangle is 21.0 Area of virile: 78.5