```
. Divilop a Java Priegram to what an abstract class
name shape that contains a untigues & an umpty method
 named printAriac). Provide 3 was - Rutangle, Triangle &
 will . ..
umport yara. util. Scannor;
abstract class Shape &
unt idimi, dimi;
idouble arua;
Scanner 5 = new Scanner (System. in);
capstract word printaria ();
class Rectangle cextends Shape &
Rutangle ()
System . out . printer l'Enter dimensions of suctangle: ");
 dim 1 = s. next Int ();
 dim 2 - 5. next Int();
                                  of and of allering to man it
 word -printaria ()
                               The aid Englangers
                              Charles to make Lacorpte ()
 aria - dim 1ª dimi;
 System. out. printing Aria of Rictargu: "+ aria):
class Truangle uxtends Shape &
Truangle ()
System out printer ("Enter dimensions of triangle:");
dim 1= s. nextont();
dim 2 = s. next tot();
```

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```
word printaria ()
   (aria = (dim 1 4 dim + 2) /2.0;
                                Triangle: "4 area);
   System. out printer ( Arua of
elass will walends Shape S
will!
System. out punter ("Enter dimensions of wich");
 dim 1 = s. next 9ht();
 void printavia ()
 ιανια > 3.14 - aim 1 dim 1 .
 System out prinetn ( * Arua of Cvill: "+ arua);
        Shapoun
ulass
               word main (String args (J)
 1
                                           Son I am a Chieffy
 Septem out puntly ( Anu!).
  Rictargle 01 > new Ractargle U;
  Triangle + = new Iriangle ().
  Circle e - nuo Circle ();
 or puntava ();
 t. printaria ();
 c. printaria ();
```

Enter diminuon

2 3

Enter diminuon

2 3

Enter diminuon

2 4

Aruo of Rutangli: 6.0

Arua of Friangli: 3.0

Arua of wich: 12.66

2300