```java
abstract class Shape
{
int a=3;
int b=4;
abstract public void print_area();
}
class rectangle extends Shape
{
public int area_rect;

public void print_area()
{
area_rect=a*b;
System.out.println("The area of rectangle is: "+area_rect);
}
}
class triangle extends Shape
{
int area_tri;

public void print_area()
{
area_tri=(int) (0.5*a*b);
System.out.println("The area of triangle is: "+area_tri);
}
}
class circle extends Shape
{
int area_circle;

public void print_area()
{
area_circle=(int) (3.14*a*a);
System.out.println("The area of circle is: "+area_circle);
}
}
```

```
class abs{
public static void main(String[] args){
rectangle rec = new rectangle();
rec.print_area();
triangle tri = new triangle();
tri.print_area();
circle cir = new circle();
cir.print_area();
}
}
```

```
02-11-2020  19:42            1,543 Matrix.class
02-11-2020  19:41            1,261 Matrix.java
09-10-2020  10:50              952 Player.java
10-10-2020  18:01            1,207 pos_neg.class
10-10-2020  18:01              905 pos_neg.java
25-09-2020  23:15              869 Prime.class
25-09-2020  23:14              535 Prime.java
09-10-2020  14:35            1,219 roots.class
09-10-2020  14:33              664 Roots.java
07-11-2020  15:07            1,207 Sav_acct.class
25-09-2020  23:07              998 Series.class
25-09-2020  23:07              403 Series.java
25-09-2020  23:01            1,661 Shape.class
25-09-2020  22:59            1,322 Shape.java
09-10-2020  12:53              219 Student.java
16-10-2020  15:59            2,422 Student1.class
16-10-2020  15:59            2,185 Student1.java
16-10-2020  17:47            2,264 Student2.class
17-10-2020  10:59            1,801 Student2.java
              35 File(s)         45,560 bytes
               2 Dir(s)  132,964,204,544 bytes free

C:\Users\vedika\Desktop\javap>javac abs.java

C:\Users\vedika\Desktop\javap>java abs
The area of rectangle is: 12
The area of triangle is: 6
The area of circle is: 28

C:\Users\vedika\Desktop\javap>_
```