**import** java.util.Scanner;

**interface** Resizable

{

**void** resizeWidth(**int** width);

**void** resizeHeight(**int** height);

}

**class** Rectangle **implements** Resizable

{

**private** **int** width;

**private** **int** height;

**public** Rectangle(**int** width, **int** height)

{

**this**.width = width;

**this**.height = height;

}

**public** **void** resizeWidth(**int** newWidth)

{

**this**.width = newWidth;

System.***out***.println("New width: " + width);

}

**public** **void** resizeHeight(**int** newHeight)

{

**this**.height = newHeight;

System.***out***.println("New height: " + height);

}

**public** **void** displayDimensions()

{

System.***out***.println("Current dimensions: " + width + " x " + height);

}

}

**public** **class** p7

{

**public** **static** **void** main(String[] args)

{

Scanner sc=**new** Scanner(System.***in***);

Rectangle rectangle = **new** Rectangle(10,5) ;

rectangle.displayDimensions();

System.***out***.println("Enter the new width and height");

**int** w=sc.nextInt();

**int** h=sc.nextInt();

rectangle.resizeWidth(w);

rectangle.resizeHeight(h);

rectangle.displayDimensions();

}

}