```
Day1
<u>Lecturer</u>
package com.mycompany.practical02;
public class Lecturer implements Speaker
  @Override
  public void speak(String phrase)
    System.out.println("Lecturer: "+phrase);
  }
}
<u>Politician</u>
package com.mycompany.practical02;
public class Politician implements Speaker
{
  @Override
  public void speak(String phrase)
    System.out.println("Politician: "+phrase);
  }
}
practical02
package com.mycompany.practical02;
public class Practical02
  public static void main(String[] args)
    Speaker speaker1 = new Priest();
```

```
speaker1.speak("Bless You!");
    Speaker speaker2 = new Politician();
    speaker2.speak("Vote me!");
    Speaker speaker3 = new Lecturer();
    speaker3.speak("Today we are going to learn Java!");
  }
}
<u>Priest</u>
package com.mycompany.practical02;
public class Priest implements Speaker
{
 @Override
 public void speak(String phrase)
  {
    System.out.println("Priest: "+phrase);
  }
}
<u>Speaker</u>
package com.mycompany.practical02;
public interface Speaker
{
  int i = 100;
  void speak(String Line);
}
Day2
```

<u>Circle</u>

```
package com.mycompany.shape01;
public class Circle extends Shape
{
  private double radius;
  Circle(double r)
  {
    radius =r;
  }
  double calculateArea()
  {
    return Math.PI*radius*radius;
  }
}
Rectangle
package com.mycompany.shape01;
public class Rectangle extends Shape
{
  private double height, width;
  Rectangle(double h,double w)
  {
    height =h;
    width=w;
  }
  double calculateArea()
  {
    return height*width;
  }
}
```

```
package com.mycompany.shape01;
abstract class Shape
{
  abstract double calculateArea();
  void display()
  {
    System.out.println("Shape ");
  }
}
Shape01
package com.mycompany.shape01;
public class Shape01
{
  public static void main(String[] args)
  {
    Circle c = new Circle(10);
    double circleArea = c.calculateArea();
    c.display();
    System.out.println("Area of the circle: "+c.calculateArea());
    Rectangle r = new Rectangle(10,20);
    double rectangleArea = r.calculateArea();
    r.display();
    System.out.println("Area of the rectangle: "+r.calculateArea());
  }
}
```