Chapter 11 Abstract class and Abstract Method in Java by Munawar

What does abstract (class) mean?

Abstract in English means existing in thought or as an idea without existence.

Abstract method

A method that is declared without an implementation.

Abstract void move To (double X, double Y)

Abstract class

If a class includes abstract methods, then the class itself must be declared abstract, as in:

```
Public abstract class Phone Model {
```

```
Abstract void switch off ();
```

```
// more code
```

When an abstract class is sub classed, the sub class usually provides implementations for all of the methods in parent class. If it doesn't it must be declared abstract.

An Example

Shape :

: :

: :

Circle Rectangle Rhombus

Note

It is possible to create reference of an abstract class it is not possible to create an object of an abstract class.

Source Code

```
import javax.swing.plaf.synth.SynthTextAreaUI;
public void sayHello() {
abstract public void greet2();
public void greet() {
```

Thank You