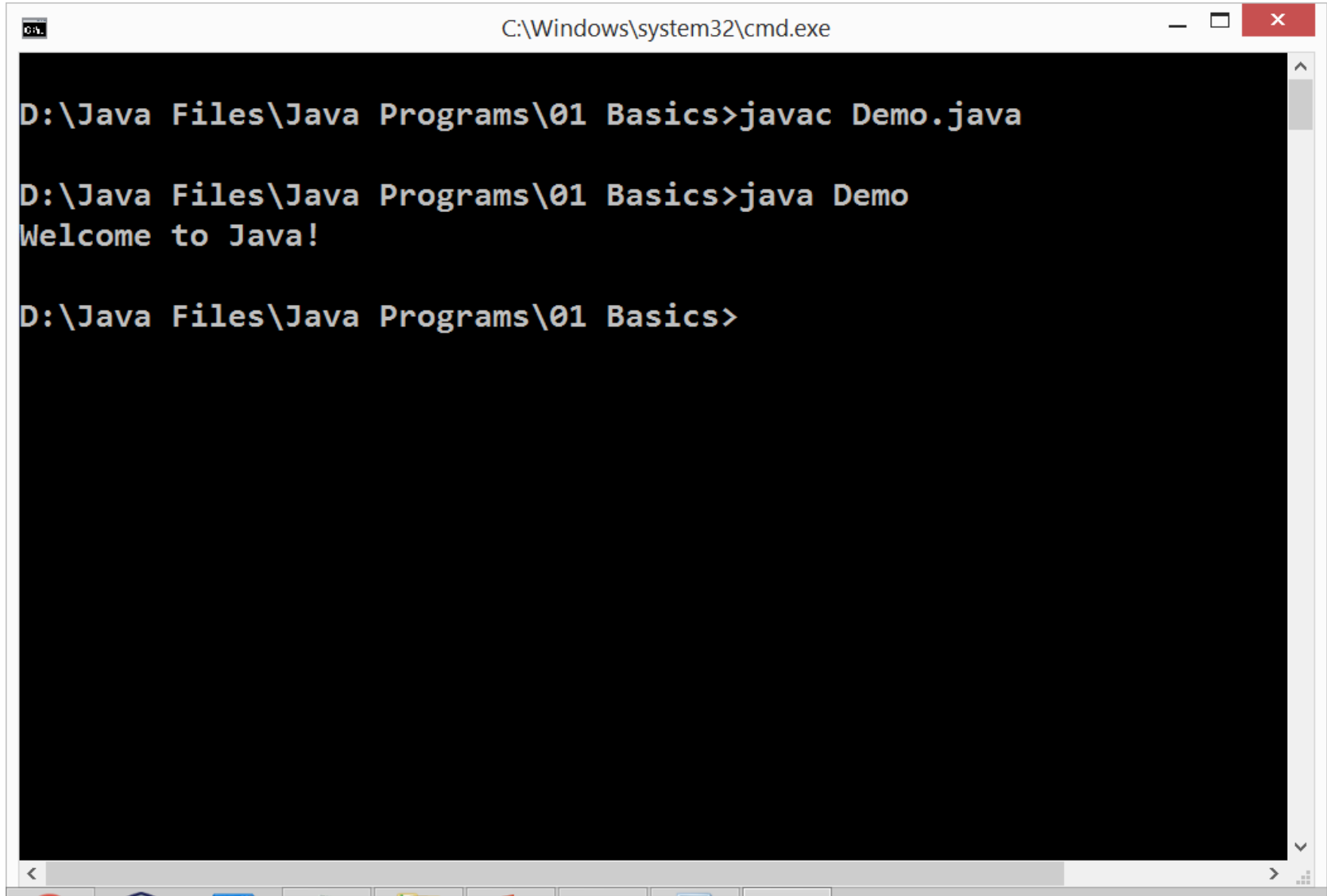# Applications

Developing applications like

- **Console A/P (e.g. Shop billing)** → C U I

- **Windows A/P (e.g. MS-word)** → G U I

- **Web A/P (e.g. Gmail, Yahoo)**

Console Applications

GUI

wGetGUI v1.20 | You are using GNU Wget 1.9-beta - 1.7 is minimum.

URL to download:

Start the grabbing! | ?

Simple | **Standard** | direct .bat access

Hosts
- Span All
  - Allow List ->
  - Clear
- Reject List ->
  - Clear

Accept/Reject
- Accept: ○ Reject:
- ☑ htm(l) ☑ gif
- ☑ jpg ☑ txt
- ☑ zip ☑ exe
- ☑ doc ☑ All
- Custom list
- Clear

Behaviour of wget
Additional Parameters:
- ☐ Act like a browser
- ☐ Ignore robots.txt
- Retries: 10
- Configure Proxy

Running & Logging
- ☐ Go to background (-b)
- ☐ No info (-q)
- ☐ All info (-v)
- ☑ Some info (-nv)
- ☐ Append to logfile (-a)
- ☐ Overwrite Logfile (-o)
- Logfile: default.log

Add to wGetStart.bat | Empty wGetStart.bat
Save settings | Load settings

Retrieval Options
- ☑ Only go deeper (-np)
- ☑ No clobber (-nc)
- ☐ Timestamping (-N)
- Quota (-Q): 0 (kB)
- ☐ Continue file download (-c)
- ☑ add HTML suffix (-E)
- ☐ No directories (-nd)
- ☑ Force directories (-x)
- ☐ Save to custom dir (-P):
- ☑ Recursive (-r) with Depth (-l) 0
- ☑ Download with inline objects (-p)
- ☑ Convert links (-k)
- ☐ Mirror site (-m)
- ☐ Clear Server Cache
- ☐ Check for files (--spider)
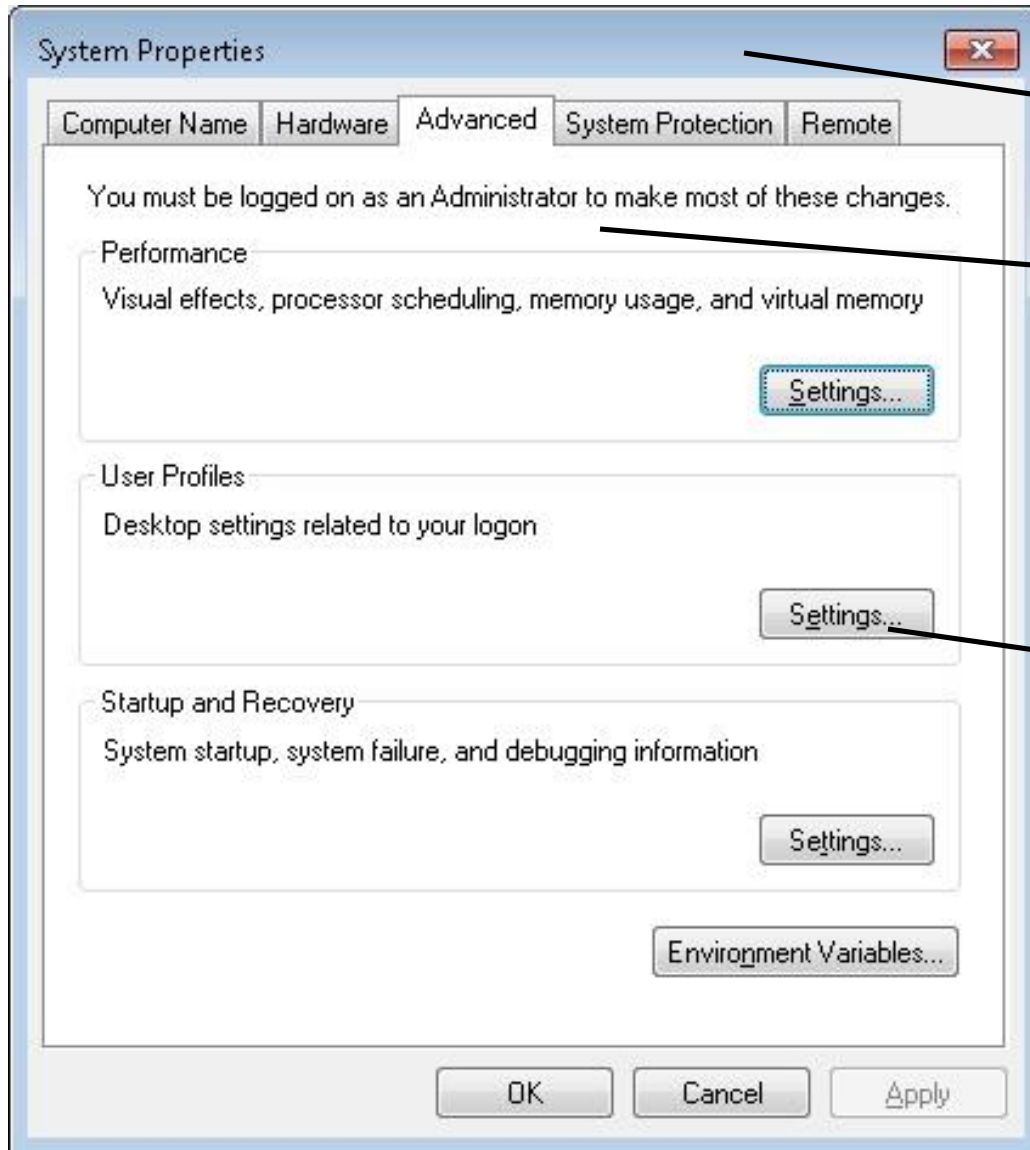
Windows Applications (GUI)
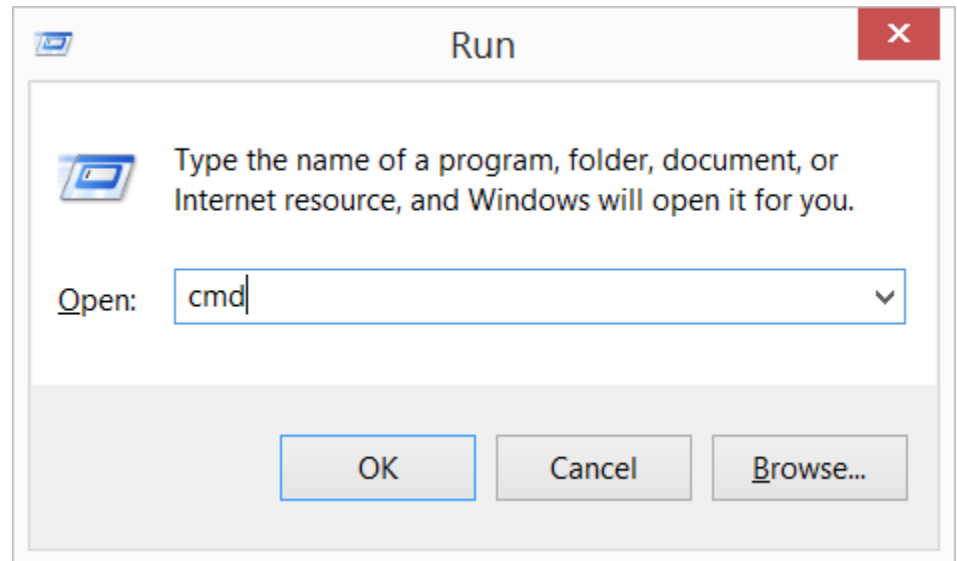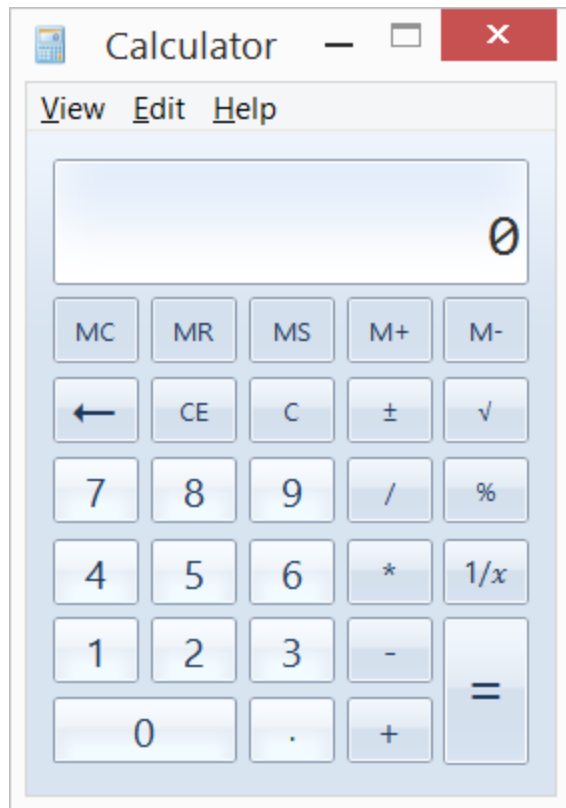
Windows Applications(GUI)

- AWT

- Event Handling

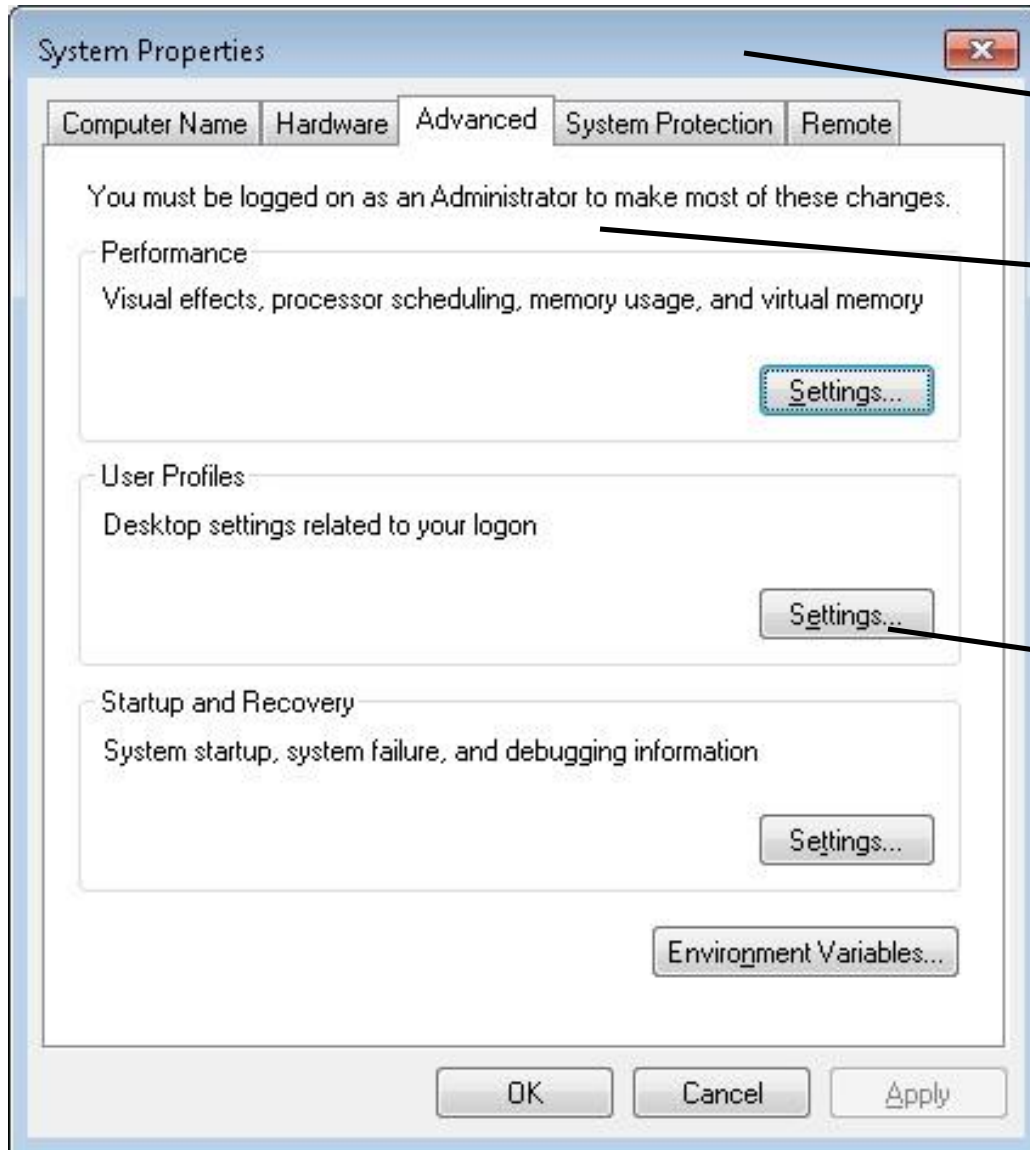- Applets

- Swings

Containers

Abstract Window Toolkit (AWT)

- Its for developing GUI applications.

- API

  java.awt.*;

Containers

Top level container
(**Frame**)

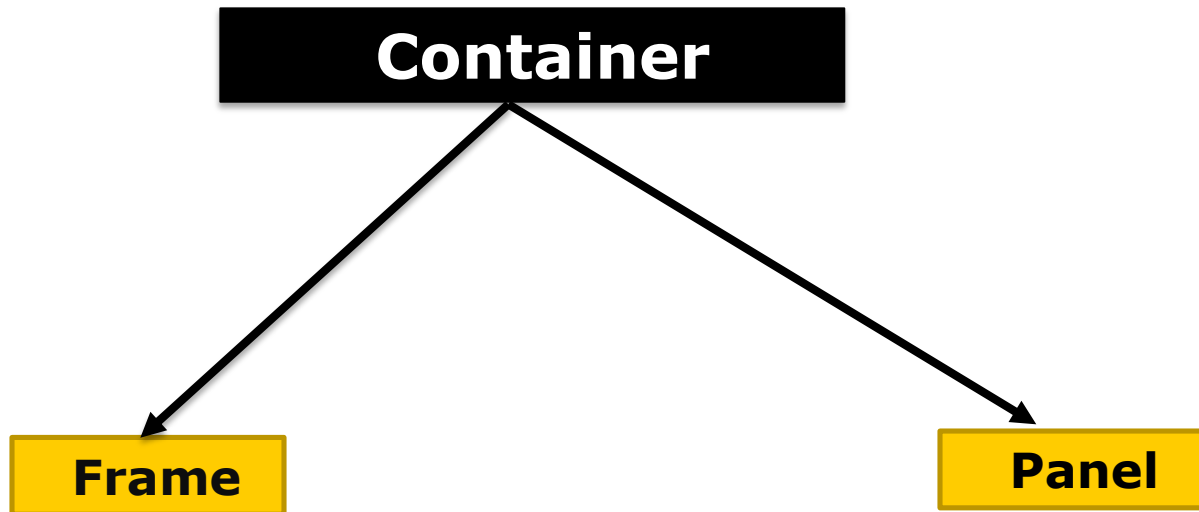Sub level container
(**Panel**)

Control components
(**Button**)

AWT Control components

- TextField

- TextArea

- Button

- Label

- List

- Chechbox

Class Hierarchy

```
          ┌──────────────┐
          │  Container   │
          └──────────────┘
            ╱          ╲
           ╱            ╲
          ▼              ▼
    ┌─────────┐    ┌─────────┐
    │  Frame  │    │  Panel  │
    └─────────┘    └─────────┘
```
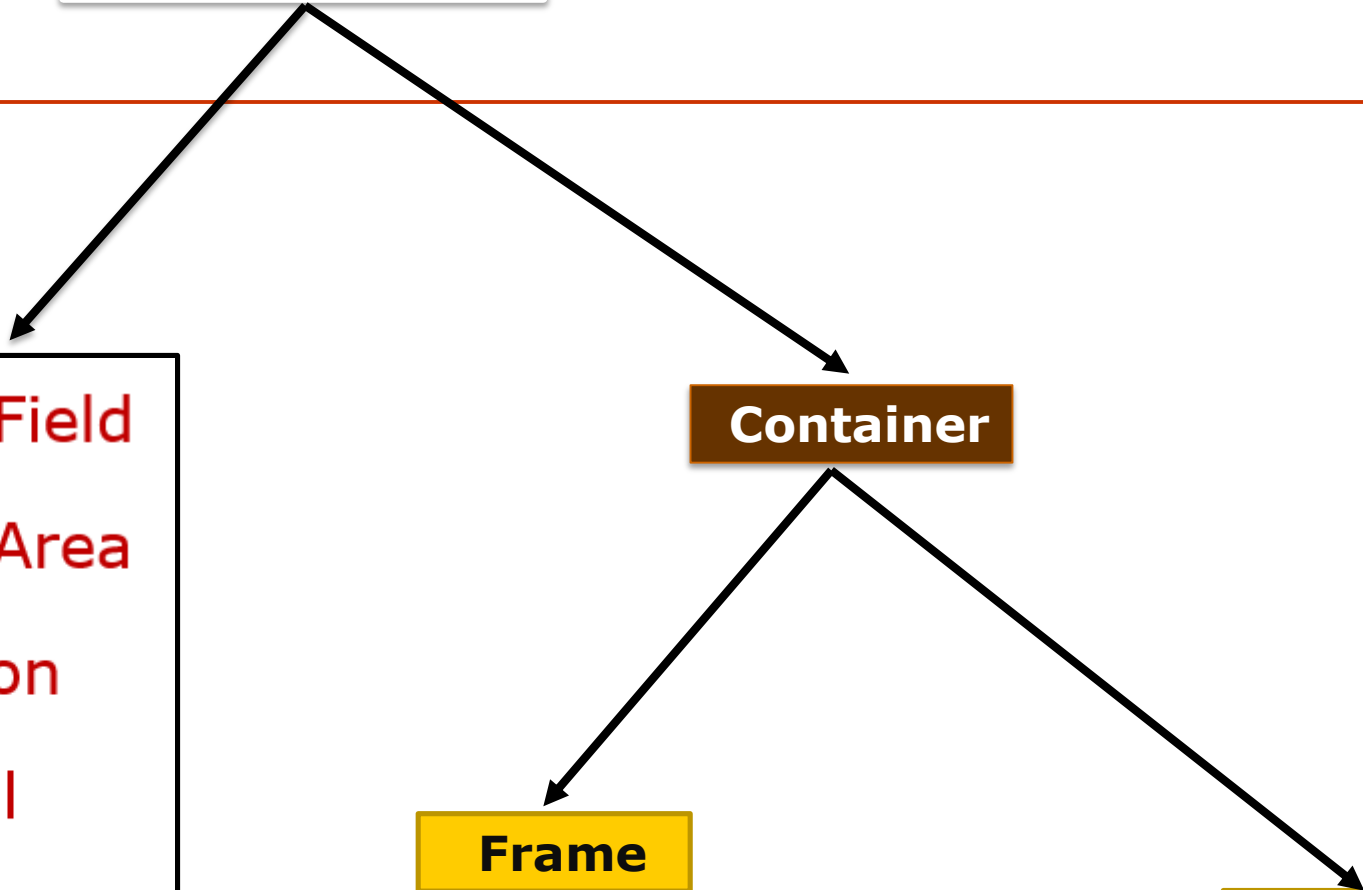
Component

TextField
TextArea
Button
Label
List
Chechbox

Container

Frame

Panel

X

y

Width

height

X

y

Width

height
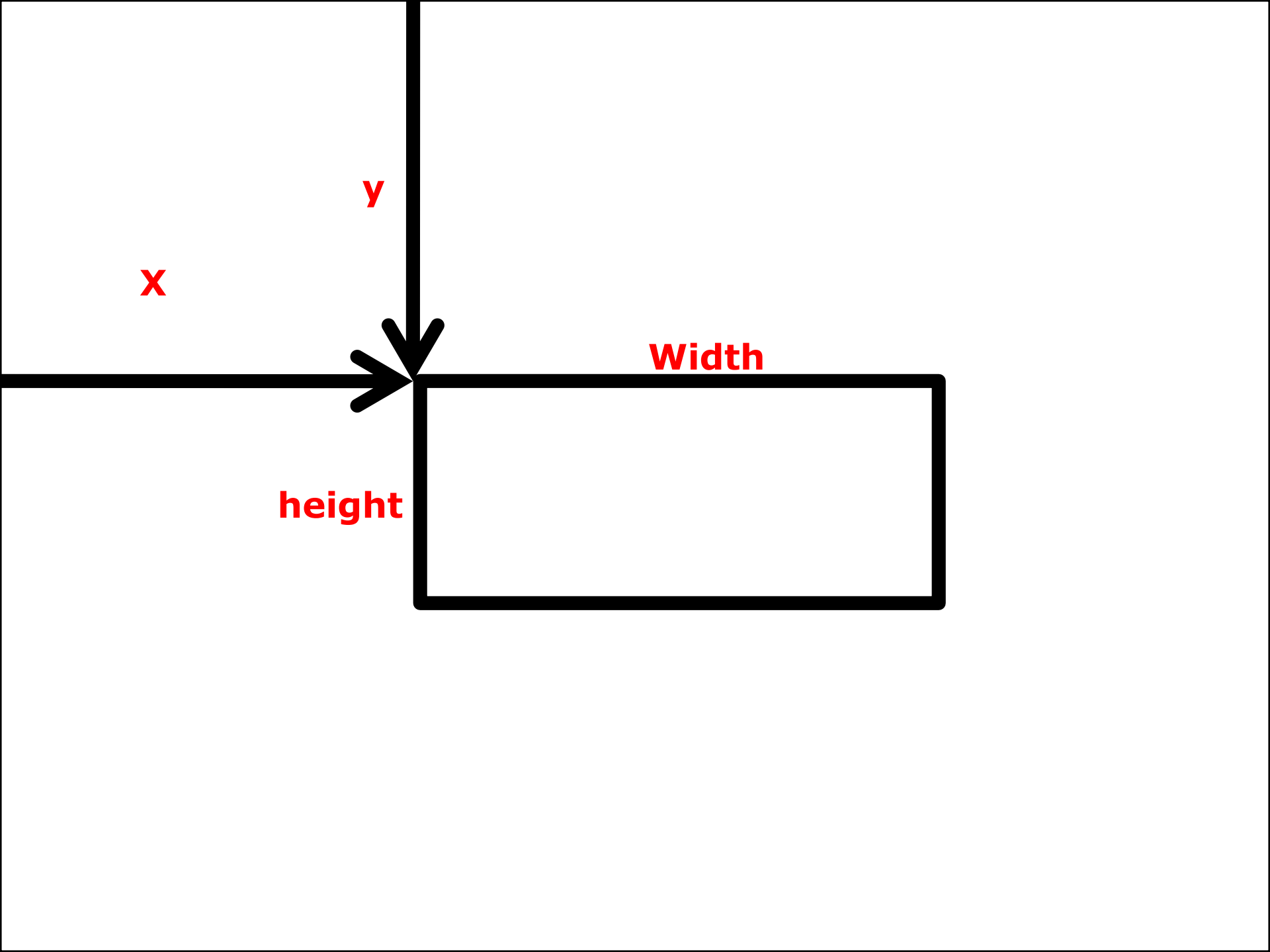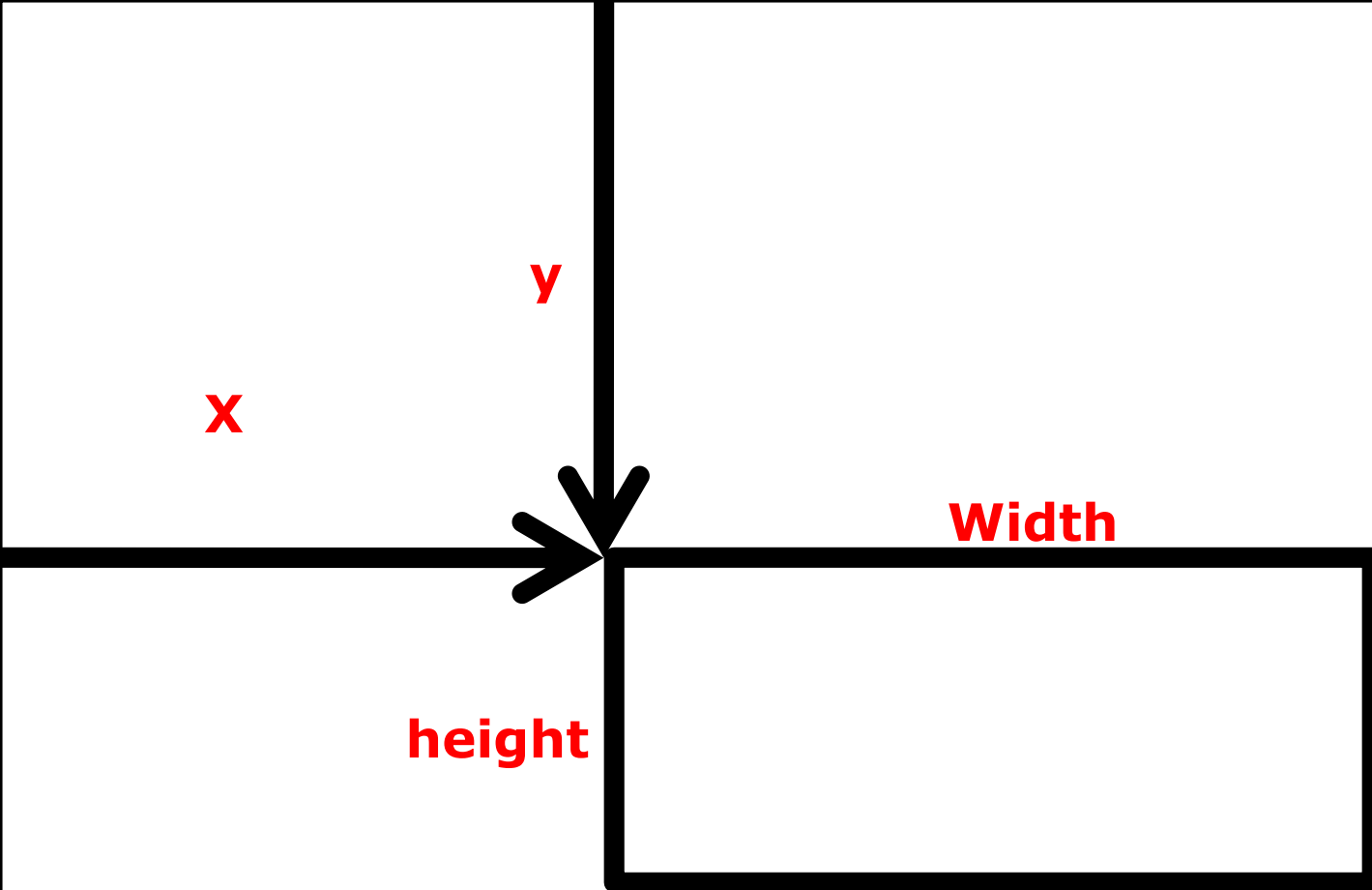
setBounds(100, 100, 500, 400)

```java
import java.awt.*;
class Demo1
{
 public static void main(String aa[])
 {
        Frame f=new Frame();
        f.setLayout(new FlowLayout());
        f.setSize(400,300);
        f.setVisible(true);
 }
}
```

```java
import java.awt.*;
class Demo1 extends Frame
{
  Demo1()
  {
      setLayout(new FlowLayout());
      setSize(400,300);
      setVisible(true);
  }
  public static void main(String aa[])
  {
      Demo1 ob=new Demo1();
  }
}
```

Graphics

Component

```
void        paint(Graphics)

Graphics    getGraphics();
```