**Executing Operating System Commands in Java:**

* Java code to run native commands of the host operating system.
* Sometimes Java program to access in operating system dependent wat.
* To call native commands that are specific to platform(windows,linux,Mac).

Used for

* Querying hardware information such as processer ID, hard disk ID,etc.

**Process object:**

Basically to execute a system command, paa the command string to exec() method of RunTime class.

The exec() method returns a Process object that abstracts a sperate process executing a command.

e.g.

String cmd=”ipconfig”

Process p=Runtime.getRuntime.exec(cmd);

p.getInputStream(); to deal with InputStream get ordinary outputs

p.getOutPutStream(); to deal with Output stream to send inputs

**package** Important\_Java\_Topics;  
  
**import** java.io.BufferedReader;  
**import** java.io.IOException;  
**import** java.io.InputStreamReader;  
  
**public class** ProcessSample {  
 **public static void** main(String[] args) **throws** IOException {  
 */\*\*  
 \* To get standard output  
 \*/  
 // String s= "ping www.google.com";* String s = **"ipconfig"**;  
  
 Process p = Runtime.*getRuntime*().exec(s);  
 BufferedReader br = **new** BufferedReader(**new** InputStreamReader(p.getInputStream()));  
 String line = br.readLine();  
 **while** (line != **null**) {  
 System.***out***.println(line);  
 line = br.readLine();  
 }  
 br.close();  
 }  
  
  
   
}