

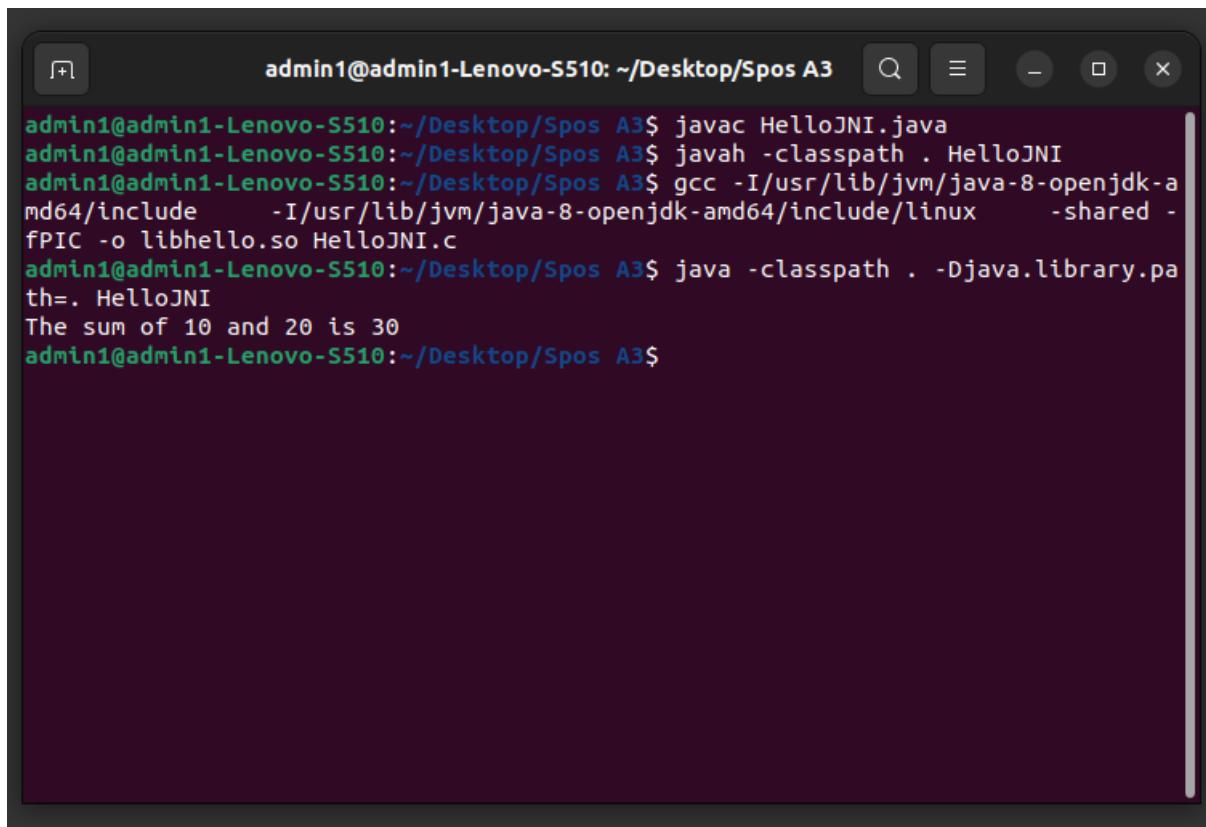
Java file

```
public class HelloJNI {  
    static {  
        System.loadLibrary("hello"); // Load native library at runtime  
        // hello.dll (Windows) or libhello.so  
    }  
  
    // Declare a native method sayHello() that receives nothing and returns  
    private native void sayHello();  
  
    // Test Driver  
  
    public static void main(String[] args) {  
        new HelloJNI().sayHello(); // invoke the native method  
    }  
}
```

C file

```
public class HelloJNI {  
    static {  
        System.loadLibrary("hello"); // Load native library at runtime  
        // hello.dll (Windows) or libhello.so  
    }  
  
    // Declare a native method sayHello() that receives nothing and returns  
    private native void sayHello();  
  
    // Test Driver  
  
    public static void main(String[] args) {  
        new HelloJNI().sayHello(); // invoke the native method  
    }  
}
```

Output:



The screenshot shows a terminal window with a dark background and light-colored text. The terminal title is "admin1@admin1-Lenovo-S510: ~/Desktop/Spos A3". The user has run several commands to compile a Java class and a C file, and then executed the Java program which prints the sum of two numbers.

```
admin1@admin1-Lenovo-S510:~/Desktop/Spos A3$ javac HelloJNI.java
admin1@admin1-Lenovo-S510:~/Desktop/Spos A3$ javah -classpath . HelloJNI
admin1@admin1-Lenovo-S510:~/Desktop/Spos A3$ gcc -I/usr/lib/jvm/java-8-openjdk-amd64/include -I/usr/lib/jvm/java-8-openjdk-amd64/include/linux -fPIC -o libhello.so HelloJNI.c
admin1@admin1-Lenovo-S510:~/Desktop/Spos A3$ java -classpath . -Djava.library.path=. HelloJNI
The sum of 10 and 20 is 30
admin1@admin1-Lenovo-S510:~/Desktop/Spos A3$
```