

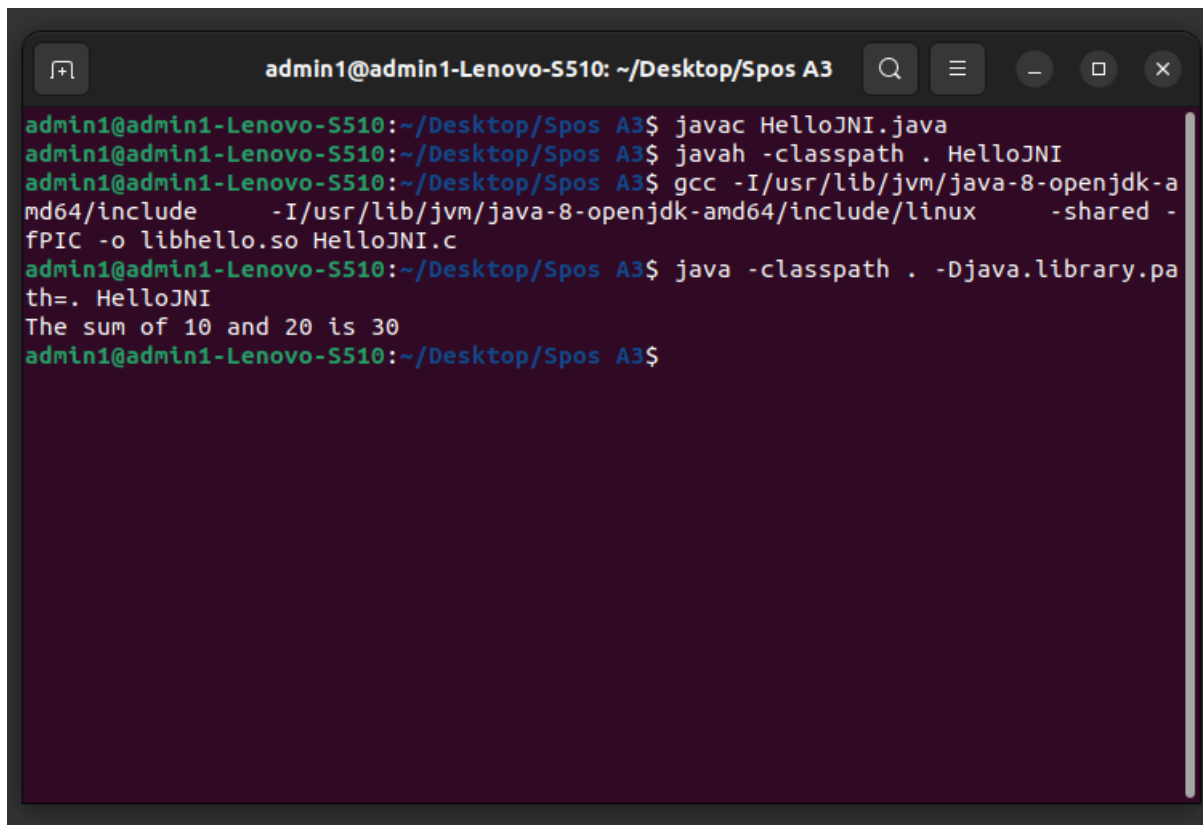
Java file

```
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:



```
admin1@admin1-Lenovo-S510: ~/Desktop/Spos A3
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 -shared -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$
```