

```
// IV, initialization value with nonce
IvParameterSpec iv = new IvParameterSpec(nonce);

cipher.init(Cipher.ENCRYPT_MODE, key, iv);

byte[] encryptedText = cipher.doFinal(pText);
```

Further Reading

- [JEP 329: ChaCha20 and Poly1305 Cryptographic Algorithms](#)
- [Java 11 – ChaCha20-Poly1305 encryption examples](#)

12. JEP 330: Launch Single-File Source-Code Programs

This Single-File Source-Code Program means the entire Java program in a single source code `.java` file. This JEP is a friendly feature in the early stage of learning Java, but not much benefit in Java development, we all use IDE.

Review a single file source code.

HelloJava.java

```
public class HelloJava {

    public static void main(String[] args) {

        System.out.println("Hello World!");

    }

}
```

Before Java 11.

Termianl



```
$ java HelloJava
```

```
Hello World!
```

Now Java 11.

```
Termianl
```

```
$ java HelloJava.java
```

```
Hello World!
```

Shebang #!

Now, the single Java program can run as a script using Linux Shebang.

```
run.sh
```

```
#!/opt/java/openjdk/bin/java --source 11
public class SheBang {

    public static void main(String[] args) {

        System.out.println("Hello World!");

    }
}
```

Further Reading

- [JEP 330: Launch Single-File Source-Code Programs](#)
- [Java 11 shebang example in Docker](#)

