Creating and Executing Java Archives (JAR) using Command Prompt

Step 1. Create a java program "HelloWorld.java".

```
public class HelloWorld

{

        public static void main(String[] args)

        {

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

        }

}
```

Step 2. CD (Change Directory) into your Java folder and run following command to compile java file(s).

```
javac HelloWorld.java
```

Step 3. To test if your program is working execute your java file with following command:

```
java HelloWorld
```

Step 4. Add a MANIFEST.MF file in your java folder

```
Manifest-version: 1.0

Main-Class: HelloWorld
```

Step 4. Create a jar file using following command:

```
jar -cfm HelloWorld.jar MANIFEST.MF HelloWorld.class
```

Step 5. To Test if jar file is working use the following command:

```
java -jar HelloWorld.jar
```

Creating and Executing Java Archives (JAR) using Command Prompt

Step 1. Create a new Java Application project "HelloWorld"

Step 2. Write the following code in HelloWorld.java file.

```
public class HelloWorld

{

        public static void main(String[] args)

        {

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

        }

}
```

Step 3. Open Your project properties (File->Project Properties). In Run section type the name of your main class in Main Class property field.

Step 4. Go To Run menu and select build command to build the project.

Step 5. Open Computer Explorer change directory to your project folder. Go to Dist folder.

Step 6. To test if your jar is working open "CMD" in dist folder and type following command.

```
java -jar HelloWorld.jar
```

Executing Java jar in Hadoop.

Step 1. CD into directory where your jar files are saved.

Step 2. To execute jar file type the following command:

```
hadoop jar HelloWorld.jar
```