

Apache Ant

Ant call

Antcall.xml

```
<project name="test" default="Main">

  <property file="antcall.properties"/>

  <target name="Main">
    <antcall target="clean">
      <param name="x" value="10"/>
    </antcall>

    <antcall target="compile"/>
    <antcall target="package"/>
    <antcall target="run"/>
  </target>

  <target name="clean">
    <delete dir="${build_dir}" />
    <echo> x Param Value is: ${x}</echo>
  </target>

  <target name="compile">
    <echo> Java related tasks </echo>
    <mkdir dir="${build_dir}/${classes_dir}" />
    <javac srcdir="${src_dir}"
destdir="${build_dir}/${classes_dir}" />
  </target>

  <target name="package">
    <echo> Java package tasks </echo>
    <jar basedir="${build_dir}/${classes_dir}"
destfile="${build_dir}/${jar_dir}/${filename}.jar">
      <manifest>
        <attribute name="Main-Class" value="Hello"/>
      </manifest>
    </jar>
  </target>

  <target name="run">
    <echo> running jar file tasks </echo>
    <java jar="${build_dir}/${jar_dir}/${filename}.jar"
fork='true' />
  </target>

</project>
```

Antcall.properties

```
filename=HelloWorld  
build_dir=build  
classes_dir=classes  
jar_dir=jar  
src_dir=src
```

Ant file

Antfile.xml

```
<project name="test" default="test">  
  <target name="test">  
    <echo>  
      This is the default Target  
    </echo>  
    <ant antfile="antCall.xml" target="clean" />  
  </target>  
</project>
```