### ****JAR Files:****

JAR stands for **Java Archive**.  
It is a special file format that bundles Java class files, related data, and resources into a single compressed file.  
JAR files are used to package and distribute Java programs, libraries, or components.  
Since JAR files use the ZIP format, they take up less space and transfer faster over the internet.  
A JAR file can include multiple Java class files along with other resources like images, audio files, and configuration settings.  
You can add a JAR file to a Java program’s **classpath** to use its classes and resources while running the program.

### ****How to Create a JAR File in Eclipse:****

Right-click on your project.

Select **Export**.

Choose **Java → JAR File** and click **Next**.

Select the files you want to include in the JAR.

Check the box **Export Java source files and resources**.

Choose where to save the JAR file and click **Finish.**

### ****How to Add a JAR File to Your Project:****

Right-click on your project and select **Build Path → Configure Build Path**.

Go to the **Libraries** tab.

If needed, select **Classpath**, otherwise skip this step.

Click **Add External JARs** and choose the JAR file from its saved location.

Click **Apply and Close** to finish.