**Step required:**

1. Use Cargo tool to create a new project called “pathplay” (i.e. a binary crate in your chosen directory)
2. Find and customise “Cargo.toml” configuration file.
3. Find and locate the “main.rs” file and edit it to match the following code in your preferred editor or IDE.

**fn** main**()** **{**

**let** path **=** String**::**from**(**r#"c:\mydir\file1.txt"#**);**

**let** upperpath **=** path**.**to\_uppercase**();**

**let** raw **=** path**.**strip\_prefix**(**"c:"**).**unwrap**();**

println!**(**"Original path: {}"**,** path**);**

println!**(**"Uppercase path: {}"**,** upperpath**);**

println!**(**"Raw path: {}"**,** raw**);**

**}**

1. Save the source file.
2. Build the code using Cargo Tool
3. Run the code using Cargo Tool

**e.g. sample output expected:**

**C:\Users\QA\rust\pathplay>Cargo run**

**Original path: c:\mydir\file1.txt**

**Uppercase path: C:\MYDIR\FILE1.TXT**

**Raw path: \mydir\file1.txt**

1. Run the code directly by locating its executable file.

**Extension task:**

Research and add additional lines of code to modify the given “mydir” directory in the pathname to “backup”.

Print this modified pathname.

Re-compile and test using Cargo tool.

**e.g. sample output expected:**

**C:\Users\QA\rust\pathplay>Cargo run**

**Original path: c:\mydir\file1.txt**

**Uppercase path: C:\MYDIR\FILE1.TXT**

**Raw path: \mydir\file1.txt**

**Replaced path: c:\backup\file1.txt**