Packages demo

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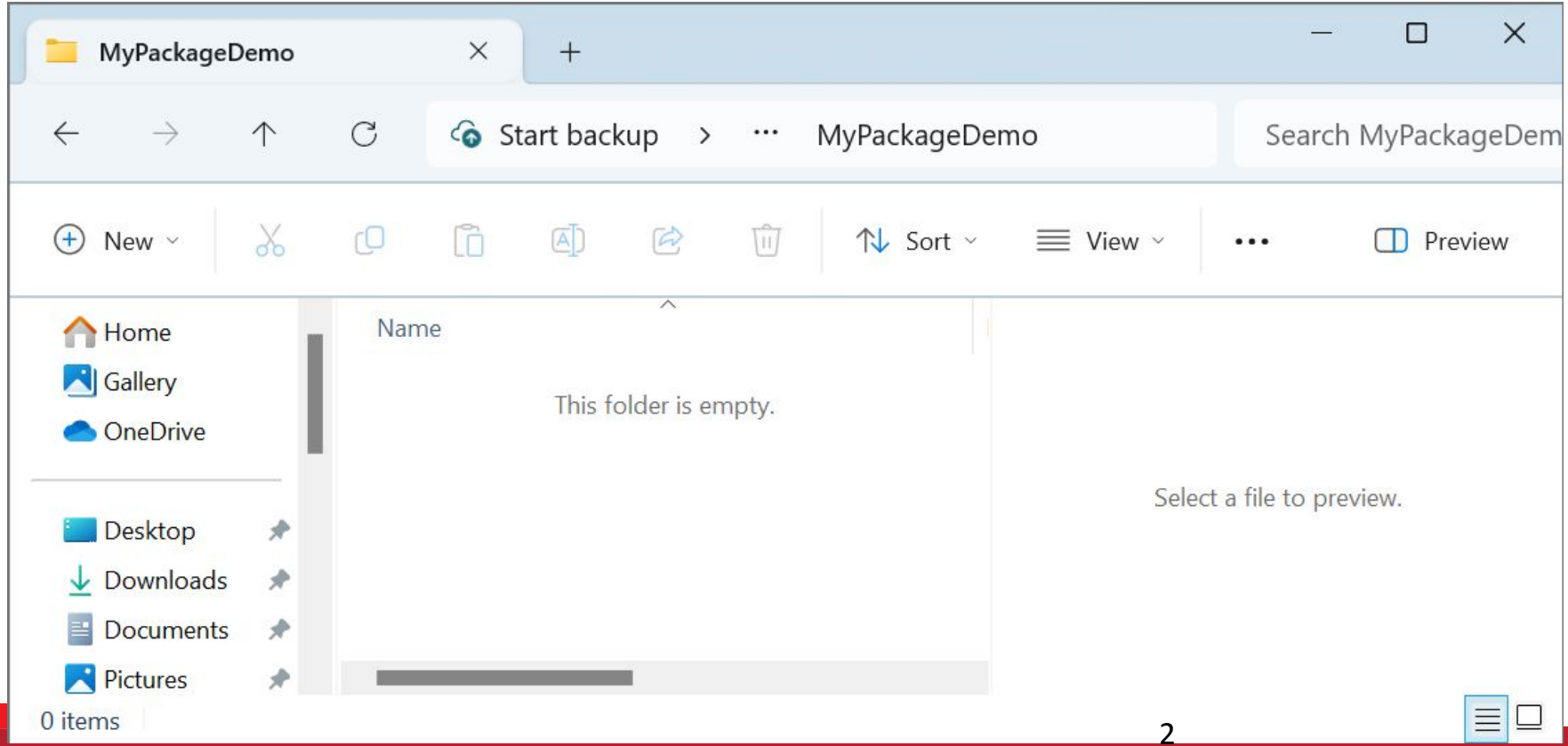
Create your project directory

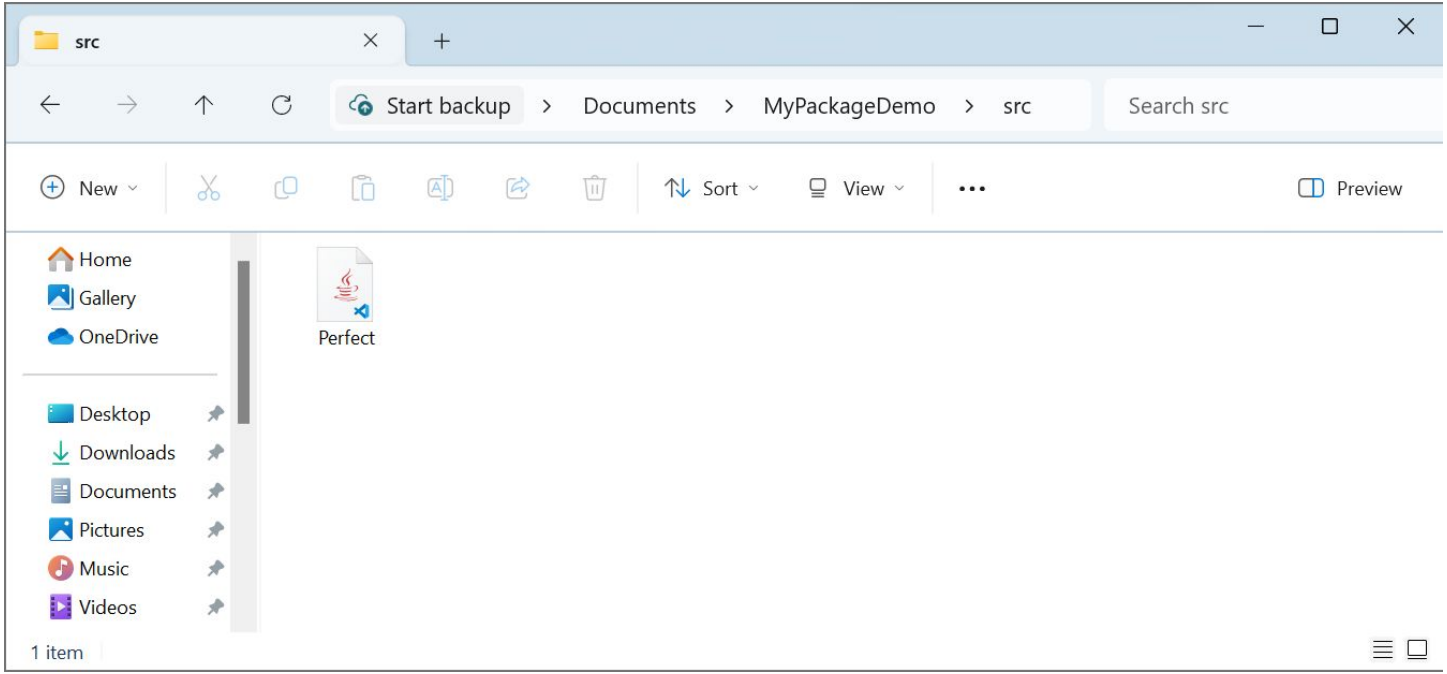


Create your java file in this directory

```
package com.mypackage;

public class Perfect {
    public static boolean checkPerfect(int num) {
        int sum = 0;
        for (int i = 1; i < num; i++) {
            if (num % i == 0) {
                sum += i;
            }
        }
        return sum == num;
    }
}
```

Create your source file

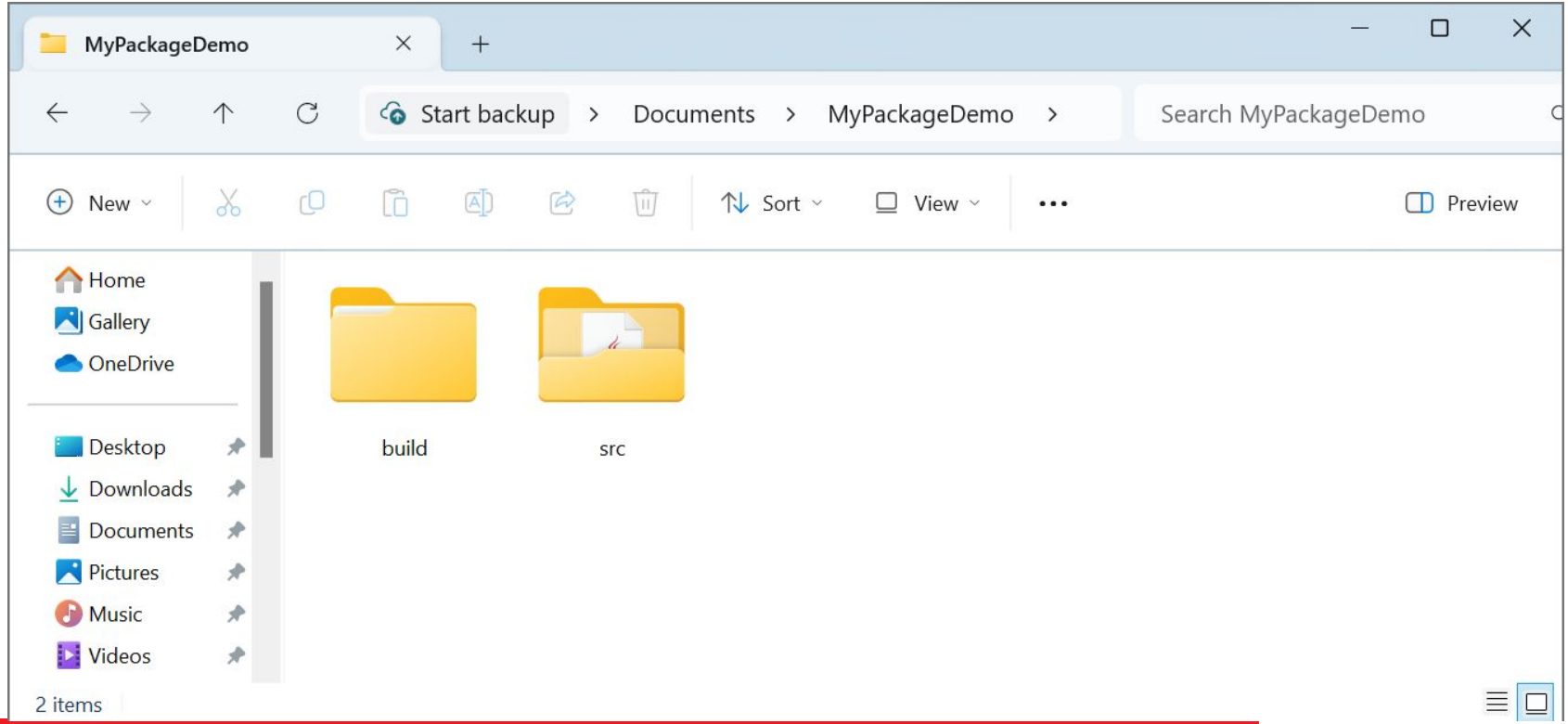


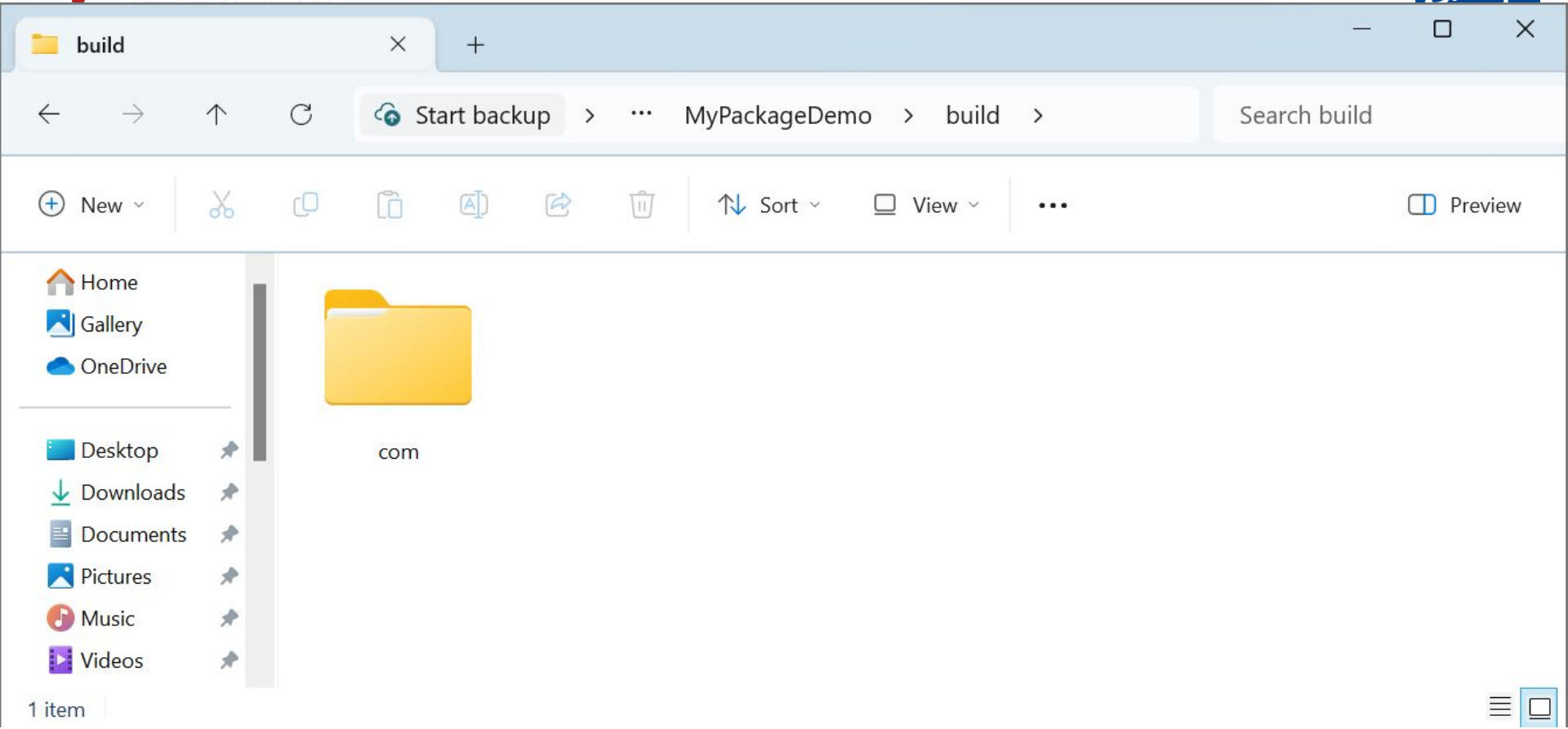
Compile your source file

```
C:\Users\KRK\Documents\MyPackageDemo\src>javac -d C:\Users\KRK\Documents\MyPackageDemo\build Perfect.java

C:\Users\KRK\Documents\MyPackageDemo\src>
```

Result of compiling the source file




build
Start backup
MyPackageDemo
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Gallery
OneDrive
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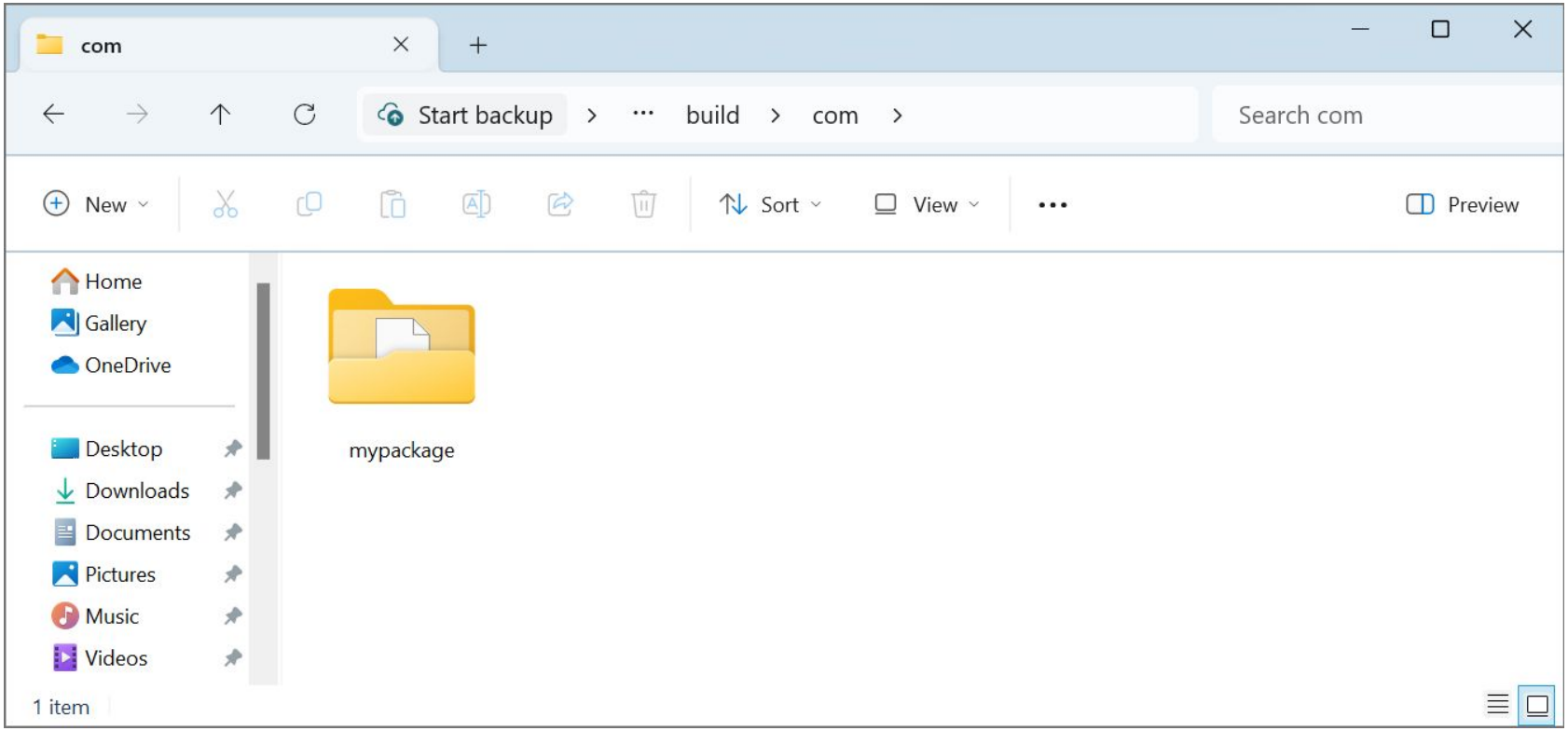
Documents
Pictures
Music
Videos
com
1 item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mypackage
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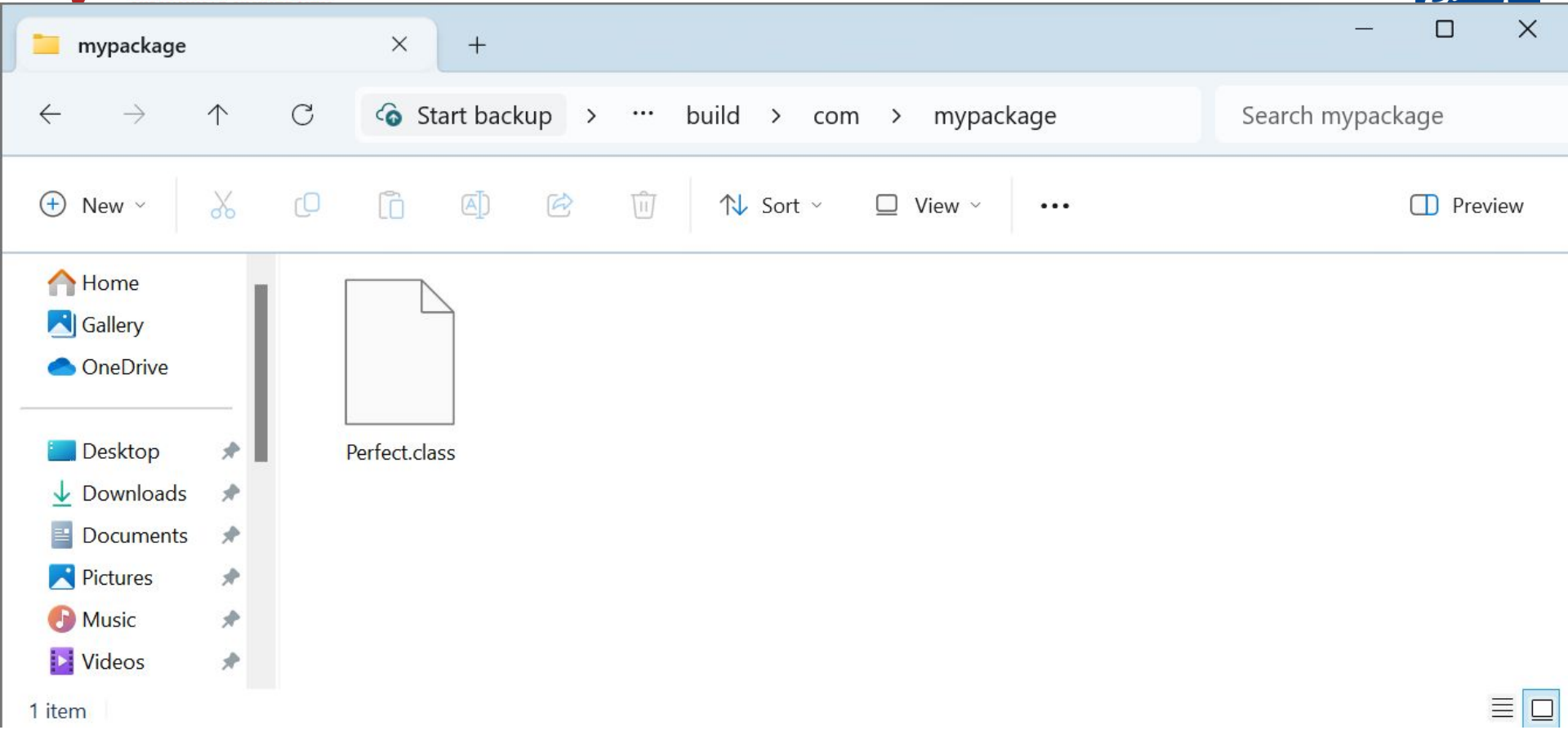
mypackage
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Sort
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Home
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OneDrive
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Documents
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Music
Videos
Perfect.class
1 item

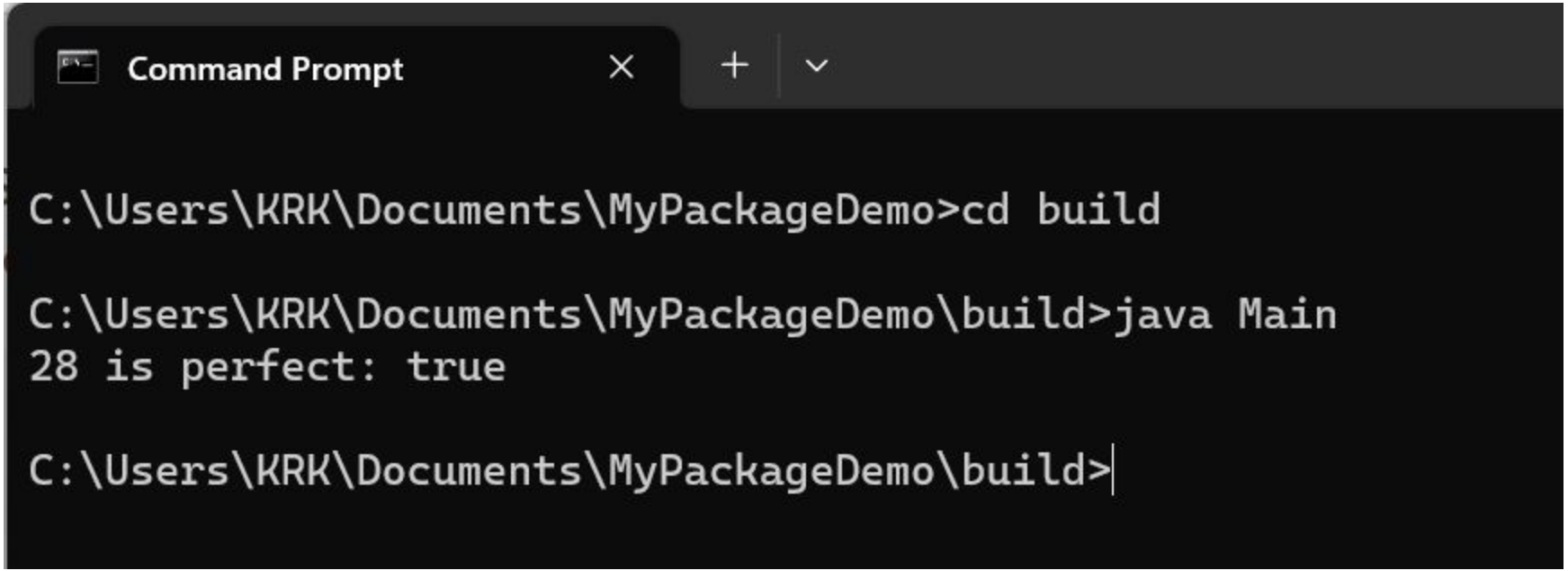
Create your Main / driver code

```
import com.mypackage.Perfect; // Import the package


public class Main {
    public static void main(String[] args) {
        int number = 28; // Example number to check for perfection
        boolean isPerfect = Perfect.checkPerfect(number);
        System.out.println(number + " is perfect: " + isPerfect);
    }
}
```

Compile the driver code


```
C:\Users\KRK\Documents\MyPackageDemo>javac -cp build -d build src/Main.java

C:\Users\KRK\Documents\MyPackageDemo>
```

Execute the driver code