- **Build Time:** Compilation introduces an extra step, requiring time to generate the executable before running it.
- **Portability:** Compiled code is often platform-specific, so different versions are needed for different operating systems or architectures.
- **Debugging:** Debugging can be more challenging as developers don't directly interact with the source code during execution.

Interpretation:

1. **Process:**
   - In interpretation, the source code is executed line by line by an interpreter without creating an intermediate executable.
   - The interpreter reads the source code, translates it into an intermediate representation (sometimes called bytecode), and executes it directly.

2. **Advantages:**
   - **Portability:** Interpreted code is often more portable since the same source code