

Programming Languages Worksheet

1. Why are there so many different high level programming languages [1 mark]

High level languages are used for different purposes

2. Explain and compare compilers, interpreters and assemblers [6 marks]

| | compiler | interpreter | assembler |
|--------|--|--|----------------|
| Ads | Faster No need for distributing source Don't need to distribute translator | Good for debugging Can work on any machine that has an interpreter | Well optimised |
| disads | Create different binaries for different machines | Release the source code You need to have an interpreter for the platform. | Long codes |

3. Explain why intermediate programming languages are used [2 marks]

So that the source code does not need to be released for the same code to be run on different machines that have a virtual machine.