**Computer Systems homework 3**

1. State where in the computer the binary instructions are stored before they are executed.
2. Explain how the value temperature is stored in the computer system.
3. How is the number 36.4 stored in a computer?
4. Explain why a translator is need for a program written in a high level language.
5. A completed program is translated into binary using a complier.
   1. State the name given to the binary instructions.
   2. State the two reasons why a complier is used to translate the completed program.
6. Explain how data is transferred from the memory into the processor.
7. While a program is being developed an interpreter is used rather than a compiler.

Explain why an interpreter is used rather than a complier at this stage.