



KIND



POSITIVE



YOURSELF

Higher Homework 1 – Computer Systems

1.	1000 1000
2.	<input type="checkbox"/> A public key is used to encrypt the personal data. (1 mark) <input type="checkbox"/> A private key is used to decrypt the personal data. (1 mark) OR <input type="checkbox"/> Public key is known to all systems. (1 mark) <input type="checkbox"/> Private key to one system only. (1 mark)
3.	Unicode can represent more characters. (1 mark) 1 mark for any one bullet from <input type="checkbox"/> 216 when compared to ASCII 28/27. OR <input type="checkbox"/> uses 16 bits compared to 8/7.
4a.	Line 8: position to index (1 mark) Line 10: 1 mark for any bullet <input type="checkbox"/> target=list(position) <input type="checkbox"/> target = list(index) <input type="checkbox"/> position = index
4b.	-1
5.	Read line (on control bus) is activated. (1 mark) Instruction is transferred (from memory) to the processor on the data bus. (1 mark)