



Computing - Databases (Big Data 1)



Key Vocabulary	
Algorithms	Are a set of instructions to complete a task.
Barcode	A machine-readable code in the form of numbers and a pattern of parallel lines of different widths.
Binary	Is a number system that only uses two digits: 1 and 0. All information that is processed by a computer is in the form of a sequence of 1s and 0s.
Boolean	Is used to make comparisons in computing. Boolean logic is a form of algebra where all values are true or false.
Contactless	Involves technology that allows a smart card, mobile phone etc. to connect wirelessly to an electronic reader. Usually to make a payment.
Data	Facts and statistics collected together
Encrypted	Means to conceal data by converting it into a code.
Infrared	The use of infrared beams to send data between different devices.
MagicBand	A wristband that has RFID technology in it. Every guest to Disney World gets a MagicBand.
QR Code	Is a barcode that is used to store and transmit data. A QR code can hold information for a picture, a website, a number, sound or music.
Radio Waves	Radio waves are used for communicating. They are easily transmitted through air.
RFID (Radio Frequency Identification)	Is a form of wireless communication. It can be used to detect the number of people at sporting or large events. It can automatically identify a person, a package or an item.
Systems/data analyst	Collects, stores and analyses data.
Transmission	Transferring something from one place to another e.g. a radio or TV broadcast.

Key Knowledge		
Data contained within barcodes and QR codes can be used by computers.	Infrared waves are a way of transmitting data.	Radio Frequency Identification (RFID) is a more private way of transmitting data.
Data is often encrypted so that even if it is stolen it is not useful to the thief.		

