RAM or ROM?

Main memory is memory that can be accessed directly by the processor. It consists of memory locations that store instructions or data. There are two types of main memory, RAM and ROM.

### Task 1

Fill in the gaps to correctly name the types of main memory. Then place the statements provided into the correct position in the table.

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| --- | --- |
| **RAM** | **ROM** |
| **Random Access Memory** | **Read Only Memory** |
| Stores data and instructions during processing  Volatile  Read and write  Usually several gigabytes | Stores boot-up instructions set by the manufacturer  Non-volatile  Read only  A few megabytes in size |

Read only Stores boot-up instructions set by the manufacturer

Usually several gigabytes Volatile

Read and write Stores data and instructions during processing

Non-volatile A few megabytes in size

### Task 2

Explain one typical use of Read Only Memory (ROM).

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| Read Only Memory (ROM) is typically used to store the boot sequence (BIOS) for a computer.  As ROM is non-volatile it will not lose data when power is switched off. |