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## Memory Bandwidth Bandwidth is the rate at which memory can be read or written by the processor. Approximately equal to the memory bus size times the speed at which the memory is clocked. Examples of bandwidth (from Wikipedia): Phone line, Modem, up to 5.6KB/s Digital subscriber line, ADSL, up to 128KB/s Wireless networking, 802.11g, up to 17.5MB/s Peripheral connection, USB 2.0, 60MB/s Digital video, HDMI, up to 1.275GB/s Computer bus, PCI Express, up to 25.6GB/s Memory chips, SDRAM, up to 52GB/s

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## Looking Ahead: C Arrays

Similar to Java arrays

```
// integer array
int iArray[3] = {1,2,3};
printf("iArray[2]: %d", iArray[2]);
// float array
float fArray[2] = {0.1f,0.2f};
printf("fArray[1]: %f", fArray[1]);
// character array
char cArray[4] = {'a','b','c','d'};
printf("cArray[3]: %c", cArray[3]);
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```





