* (5p) What is Parallel Programming? (in your own words)
  + Parallel programming is a process of using multiple parts of a computer processor simultaneously to solve a problem. The problem is divided up into multiple pieces inside the computer and a set is instructions is created for each piece. then each problem is solved concurrently.
* (5p) What is system on chip (SoC)? Does Raspberry PI use system on SoC?
  + A System on a Chip is a single chip in a computer that contains many components such as a gpu, memory, usb controller, wireless radios, and many others.it is similar to a micro controller. The raspberry pi does not have a separate CPU. It uses a System on the chip unit.
* (5p) Explain what the advantages are of having a System on a Chip rather than separate CPU, GPU and RAM components.

One advantage of a SoC is the size. It is only a little bigger than a CPU but contains many more components that a CPU. SoC allow computers to be much smaller to a computer that utilizes a CPU. This also makes it a lot cheaper to use. SoC also uses significantly less power that a system using a separate CPU, gpu, and ram components.