CSE 490/590 Spring 2025 Homework 6

1. What are the features of domain-specific architectures? How do they differ from the architecture of General purpose computers? Where are they most commonly used (Example DSA)?

Explain the following Domain specific architectures (architectural features, how they support the applications, and the language support).
   (a) Tensor Processing Unit
   (b) Catapult
   (c) Crest
   (d) Pixel Visual core

2. Explain warehouse computers. Why should these computers address achieving low power consumption?

3. Illustrate and explain WSC Memory Hierarchy.

Soloutions are in slides of Chapter 6 and Chapter 7.