

## **PDC Lab - Week 3**

### **L2 – Message passing functions and the task control functions**

#### **Questions:**

1. Which is the structure of a PVM application?
2. How are processes identified in PVM?
3. Which is the function for process (slave) creation and which are the parameters?
4. Explain the message passing technique (communication formats, communication steps) used in PVM.
5. Which are the methods used in PVM for sending messages?
6. Which are the methods used in PVM for receiving messages?

#### **Exercises:**

1. Write a PVM application with the following requirements. The master process creates one slave and then sends an integer number to that slave. The slave receives the integer number adds 1 and sends the result back to the master. The master prints the result received from the slave at the console.
2. Write a PVM application with the following requirements. The master process creates several (at least 4) slaves and then sends integer numbers to the slaves. The numbers can differ. The slaves receive the integer number add 1 and send the results back to the master. The master prints the results received from the slaves at the console.
3. Ex 2 from the paper. This exercise is evaluated with 2 points (for the lab's final mark).