

Total Questions – 2**Total Marks - 6****Question1 (2 marks)**

- I. Set up the parallella board to run various programs. You may use the Parallella setup guide provided to you through Blackboard and follow the steps to setup the board.
(1 marks)
- II. Now transfer any c file from your computer system to the parallella and compile it. You can use any simple c program. The emphasis is to learn how to transfer file on Parallella system. You may use the “Parallella_Lab_manual_Lab1” provided through Blackboard under Lab Material.
(1 marks)

Question 2 (4 marks)

Access the parallella board and run the program hello world program already provided in epiphany examples. You may use the “Parallella_Lab_manual_Lab1” provided through Blackboard under Lab Material. Now go to src folder and change the host and device program files to perform following changes:

- I. The program prints “Hello-World” at this stage. Now change it to print the following message **“Hi there, This is group ”your group number” - Hakunamatata ”**.
(0.5 marks)
- II. You would have seen that the messages displayed are coming from random cores. Change the code to receive the same message from cores sequentially e.g. First core 0(0,0) should print, then core1(0,1) and so on till core15(3,3) .
(2.5 marks)
- III. Now change the code to receive the message 16 times only from one core which will be equal to your group number.
(1 marks)