**Lab Assignment 1**

**Problem statement 1:**

BMI and find Thread number and master thread in c using OMP function.

**Problem statement 2:**

Find sum of 2 arrays and print the result in third array and find Thread number and master thread in c using OMP function.

**Problem statement 3:**

Print sum of odd numbers and even numbers in an array and find Thread number and master thread in c using OMP function.

**Lab Assignment 2**

**Problem statement 1:**

The election commission has decided to organise a special camp to include young people(age greater than or equal to 16 and less than 18) in electoral role. Help the officials to identify the eligible people. Use thread “1” to print eligible people and thread “0” to not eligible candidate. Get minimum 10 people data.

**Problem statement 2:**

For the above election commission using section calculate

1. The total no. of eligible candidates and
2. Total no. of not eligible candidates

**Lab Assignment 3**

**Problem statement:**

Consider you have to write a program for VIT placement cell where 10 students are placed in 4 companies namely, Amazon, Google, Shell, and Intel. Assume no student is offered more than one placement offer. The program has to do the following tasks in parallel and display the result with thread id. Use separate sections to perform each operation

•Get as input the name, register number, the pay package of students selected for jobs in  the particular organization

•Display the total number of students selected in each company.

•Display the average pay package of the 10 students

Calculate the execution time of each of the above processes using wtime.