

## Lab – 12

1. Create three threads (by using Thread class and Runnable interface) where the first thread displays “Good Morning” every one second, the second thread displays “Hello” every two seconds and the third thread displays “Welcome” every three seconds.
2. **A)** Java programming faculty has given a task to two students in a class. The task is to print a multiplication table. The same task need to done by both students but while they are calling printTable() method they will pass different values. Both students need to create a user defined class which extends thread class and create one thread for each class example t1 and t2 and call the printable() method that is in another class and observe the output.  
**B)** The same task need to done with **synchronized** printTable() method and observe the output.
3. Tony was asked to develop a program which takes in five alphabets as dynamic user input and stores them in an array. He passes the array to two threads. First one should traverse the array, and the vowels present in it should be printed and the second thread should print the consonants present in the array. Help him out by writing the program to do so.