

Exercise - 6

1. Write a Java program to create a thread that displays values from 1 to 10. After displaying each value make the thread pause for 500 milliseconds.
2. Write a Java program for creating three threads. First thread displays "Hi" for every 1 second, second thread displays "Hello" after every 2 seconds, and third thread displays "Good Morning" after every 3 seconds.
3. Write a Java program to demonstrate *isAlive()* and *join()* methods.
4. Write a Java program to demonstrate *synchronized* keyword in Java.
5. Write a Java program to implement Producer-Consumer problem using multithreading.
6. Write a Java program to create thread that displays odd numbers in the range 1 to 100.
7. Write a Java program to set and retrieve thread priorities.
8. Write a Java program for creating four threads to perform following operations:
 - i. Getting N numbers as input
 - ii. Printing the even numbers in the range 1 - N
 - iii. Printing the odd numbers in the range 1 - N
 - iv. Computing the average of N numbers
9. Write a Java program for suspending, resuming and stopping a thread.
10. Write a Java program for demonstrating life cycle of a thread.