**ASSIGNMENT QUESTIONS -3**

**Batch-1**

1. Explain the six different forms of exec API?
2. Write a short not on client/server properties?
3. What are environment variables and command line arguments? Write a c program to echo all its command line arguments to its standard output?
4. what are the different ways in which a process can terminate normally?

**Batch-2**

1. write a sketch, explain the memory layout of a C program?
2. what is fork and vfork ? Explain with an example program ?
3. Explain exit, \_exit and atexit functions with their properties?
4. what is race condition?write a program to generate race condition?

**Batch-3**

1. Discuss the applications of FIFO?
2. Explain client server communication using FIFO with a neat diagram?
3. Explain Popen and Pclose functions?
4. Write short notes on shared memory?

**Batch-4**

1. Explain in details the family of exec functions?
2. Explain the “system” function with its prototype?
3. Explain is process accounting? Write the structure of accounting data?
4. What is IPC? Mention the purpose of IPC?