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(2) Write the condition for deadlock. Explain the protocol to be used to break the circular wait condition.

A deadlock is a situation where a group of process are permanently blocked as a result as a each process having acquired a subset of the resources needed for this completion and waiting for release of the remaining resources held by other in the same group thus making it impossibly for any of the processes to proceed.

2) Resources manager and other operating system processes can be involved in a deadlock situation.

Circular wait :-

a) one way to prevent the linear ordering of different types of system resources

b) In this system resources are divided into different classes.

c) If a process has been allocated resources of type R, then it may subsequently request only those types following R in the ordering.