Q. What is linked list? State its types.

Ans: linked list is a linear data. Memory allocation of linked list is dynamic. It uses pointer variable to link one node to another node. At one node linked list contain data and address of next location. linked list consist of Head at starting location and Null pointer at the end.

Types of linked list:
① Singly linked list.
② Doubly linked list.
③ Circular linked list.
④ Doubly circular linked list.

Q2. Write applications of SLL.

Ans: Applications of SLL :

① It is used to implement stacks & queues which are fundamental needs in Computer Science

② To prevent the collision between the data in the hash map, we use a singly linked list

③
We can think of its use in a photo viewer for having look at photos continuously in a slide show.

④ In notepad for undo-redo operation we use linked list.