def insert\_at\_given\_position(self, data, target\_position):

        if (target\_position <= 0):

            print("Invalid Position")

            return

        # when list is empty

        if (self.head == None and target\_position != 1):

            print("Invalid position")

            return

        if (target\_position == 1):

            self.insert\_at\_beginning(data)

            return

        # if (target\_position > 2 and self.head.next == None):

        #     print("Invalid Position")

        #     return

        current\_position = 1

        current\_node = self.head

        while (current\_node != None and current\_position < target\_position - 1):

            current\_position = current\_position + 1

            current\_node = current\_node.next

        if (current\_node == None):

            print("Invalid Position")

            return

        new\_node = Node(data)

        # when we inserting between two nodes ,we need these steps

        if (current\_node.next != None):

            current\_node.next.prev = new\_node

            new\_node.next = current\_node.next

        # these are needed

        current\_node.next = new\_node

        new\_node.prev = current\_node