```
DulNode * create_Dul_LinkList(void) {
   int data;
   DulNode * head, * p, * q;
   head = p = (DulNode * ) malloc(sizeof(DulNode));
   head -> next = NULL;
   head -> prior = NULL;
   do {
     scanf("%d", & data);
     q = (DulNode * ) malloc(sizeof(DulNode));
     q -> data = data;
     q -> next = p -> next;
     q -> prior = p;
     p -> next = q;
     p = q;
   } while (getchar() != '\n');
   p -> next = NULL;
   return (head);
}
```

1. NULL ⟺ Head ⟺ NULL
        p

2. NULL ⟺ Head ⟺ 1 ⟺ NULL
        p   q

3. NULL ⟺ Head ⟺ 1 ⟺ NULL
                 p, q

4. NULL ⟺ Head ⟺ 1 ⟺ 2 ⟺ NULL
                 p   q

5. NULL ⟺ Head ⟺ 1 ⟺ 2 ⟺ NULL
                      p, q

6. NULL ⟺ Head ⟺ 1 ⟺ 2 ⟺ 3 ⟺ NULL
                      p   q

7. NULL ⟺ Head ⟺ 1 ⟺ 2 ⟺ 3 ⟺ NULL
                           p, q