1. (100 pts) Span of a linked list is the difference between the largest and smallest elements in the linked list. Write a function `span()` to compute the span of a linked list. Node declaration of the linked list is given below.

```c
struct node
{
    int info;
    struct node *next;
};
typedef struct node node;
```

Span of the following list is 12-5=7.

![Diagram of linked list](image)

Do not assume that the list is sorted. Prototype of the function is given below. Insert your function to `recitation9.c`.

```c
int span(node *ptr)
```

If your function is correctly implemented, output should be as follows.

```
List:
Span = -1

List: 62
Span = 0

List: 21 49 92 86 35 93 15 77 86 83
Span = 78
```

*Submit your program electronically using the blackboard system*