#include <stdio.h>

#include <stdlib.h>

struct node {

int data;

struct node \*next; //Self-referential pointer

};

struct node \*head = NULL;

struct node \*current = NULL;

//display the list

void printList() {

struct node \*ptr = head;

printf("\n[head] =>");

//start from the beginning

while(ptr != NULL) {

printf(" %d =>",ptr->data);

ptr = ptr->next;

}

printf(" [null]\n");

}

//insert link at the first location

void insert(int data) {

//create a link

struct node \*link = (struct node\*) malloc(sizeof(struct node));

//link->key = key;

link->data = data;

//point it to old first node

link->next = head;

//point first to new first node

head = link;

}

int main() {

insert(10);

insert(20);

insert(30);

insert(56);

printList();

return 0;

}