

Question: Please write the output of the following code.

The input is : 1 4 7 2 3 5 -1

```
#include <stdio.h>
#include <stdlib.h>

struct node{
    int data;
    struct node* next;
};

int main(void)
{
    int data = 0;
    struct node *p, *first_node=NULL,*last_node=NULL;

    scanf("%d",&data);
    while(data!=-1)
    {
        p = (struct node*)malloc(sizeof(struct node));
        p->data = data;
        p->next=NULL;

        if (!first_node) {
            first_node=p;
            last_node=p;
            scanf("%d",&data);
            continue;
        }

        if (p->data%2) {
            p->next = first_node;
            first_node = p;
        }
        else {
            last_node->next = p;
            last_node = p;
        }
        scanf("%d",&data);
    }

    for(p=first_node;p!=NULL;p=p->next)
        if (p->next)
            printf("%d->",p->data);
        else printf("%d\n",p->data);

    return 0;
}
```

Answer:

```
/* 5->3->7->1->4->2 */
```