Program

TO insert node at first position & traverse

```c
#include <stdio.h>
#include <conio.h>
#include <malloc.h>

struct node
{
    int info;           -> self referencing structure
    struct node *next, *link;
};

typedef struct node NODE;  <-

NODE *start, *p, *new1;

void createemptylist(NODE *start)
{
    start = NULL;
}

void traversethelist(NODE *start)
{
    p = start;
    while (p != NULL)
    {
        printf("%d\n", p->info);
        p = p->link;
    }
}
```
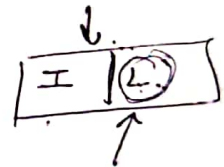
```c
void insertatfront (int item)
{
    NODE *new1;
    new1 = (NODE *) malloc (sizeof (NODE));
    new1 -> info = item;
    if (start == NULL)
        new1 -> link = NULL;      // link
    else
        new1 -> link = start;      // link
    start = new1;
}
void main ()
{
    int choice, item, of;
    char ch;
    clrscr ();
    create empty list (start);
    do
    {
        printf ("1. Insert element at begin ");
        printf ("2. Traverse the list ");
        printf (" 3. Exit ");
        printf (" Enter ur choice ");
        scanf ("%d", &choice);
        switch (choice)
        {
            case 1: printf ("enter the item ");
            scanf ("%d", &item);
            insert at front (item);
            break;
```

```c
case2: printf (" traverse th list");
    traverse the list (start);
    break;
case3: return;
}

fflush (stdin); .
printf (" do U want to continue "\n");
scanf (" %c", &ch);
}
while ((ch=='y") || (ch=='Y'));
getch();
}
```