

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

```
struct node
{
int data;
struct node *link;
};
```

```
int main()
{
```

```
    struct node *head= malloc(sizeof(struct node));
    head->data = 45;
    head-> link= NULL;
```

```
    struct node *current = malloc(sizeof(struct node));
    current->data= 55;
    current->link=NULL;
    head->link=current;
```

```
    current = malloc(sizeof(struct node));
    current->data= 3;
    current->link=NULL;
    head->link->link=current;
```

```
    print_data(head);
```

```
}
```

```
void print_data(struct node *head)
```

```
{
```

```
    if(head==NULL)
```

```
        printf("linked list is empty");
```

```
    struct node*ptr=NULL;
```

```
    ptr = head;
```

```
    while(ptr!=NULL)
```

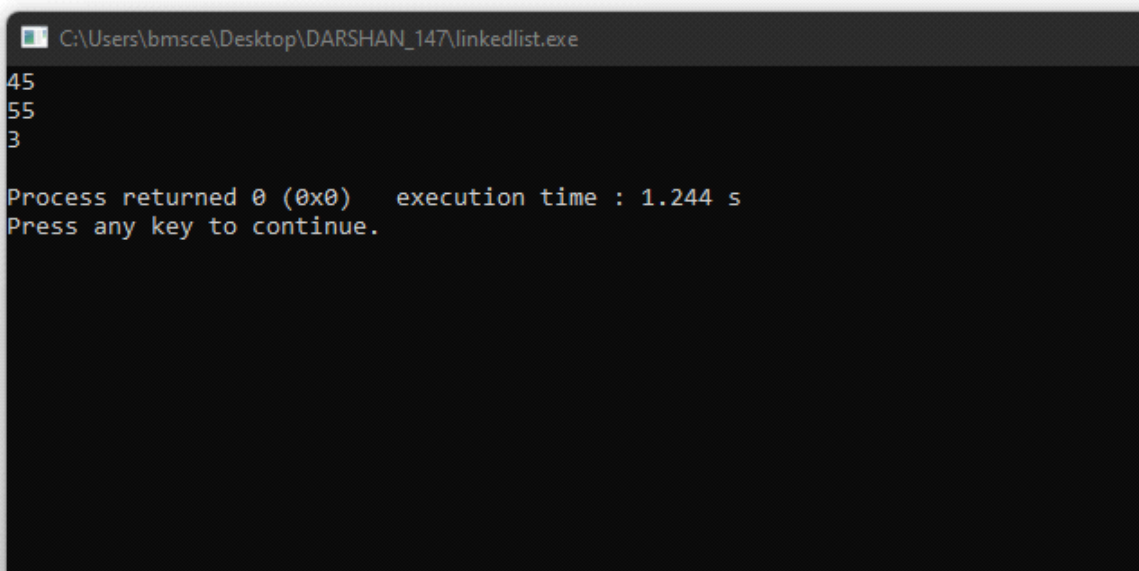
```
    {
```

```
        printf("%d\n", ptr->data);
```

```
        ptr= ptr->link;
```

```
    }
```

```
}
```



The screenshot shows a Windows command prompt window with a dark background. The title bar at the top reads "C:\Users\bmsce\Desktop\DARSHAN_147\linkedlist.exe". The command prompt displays the output of the program: the numbers 45, 55, and 3 on separate lines. Below these numbers, it shows "Process returned 0 (0x0) execution time : 1.244 s" and "Press any key to continue.".

```
45
```

```
55
```

```
3
```

```
Process returned 0 (0x0) execution time : 1.244 s
```

```
Press any key to continue.
```