**PROGRAM:**

#include <stdio.h>

#include <conio.h>

//Assignment 2 Q1: write a program to create a linked list and count

//the no. of nodes and sum of values all nodes \_211216

struct node{

int data;

struct node \*next;

};

int main(){

int sum=0 ,count=0,num;

struct node \*start;

struct node \*new\_node, \*ptr;

printf("\n Enter 0 to end");

printf("\n Enter the data : ");

scanf("%d", &num);

sum+=num;

printf("Sum of all values is:%d",sum);

while(num!=0){

new\_node = (struct node\*)malloc(sizeof(struct node));

new\_node -> data=num;

if(start==NULL){

new\_node -> next = NULL;

start = new\_node;

count++;

}

else{

ptr=start;

while(ptr->next!=NULL)

ptr=ptr->next;

ptr->next = new\_node;

new\_node->next=NULL;

count++;

}

printf("\n Enter the data : ");

scanf("%d", &num);

sum+=num;

printf("Sum of all values is:%d",sum);

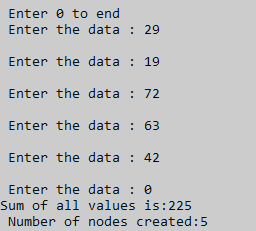
}

printf("\n Number of nodes created:%d",count);

return start;

}

**OUTPUT:**

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