Q.) Create Singly link list and count and print the node of list using C program.

```
void main()
{
    char ch;
    struct links
    {
        int info;
        struct link *pnext;
    };
    typedef struct link *NODE;
    NODE *ptr, *start, *new;
    ptr = NULL;
    count = 0;
```

```
do
{
    new = (NODE *) malloc (sizeof (NODE)); // malloc creates node and gives it to new.
    printf ("Enter Data");
    scanf ("%d", &new->info);
    if (ptr != NULL)
    {
        ptr->next = new; // connect to next node.
        ptr = ptr->next;
    }
    else // else part executes only once, for the first node.
    {
        start = new;
        ptr = new;
    }
    printf ("DO you want to continue... Y/N");
    scanf ("%c", &ch);
}
while (ch == 'Y');
// traversing and counting after link list created.
ptr->next = NULL
printf ("The link list is");
ptr = start;
while (ptr != NULL)
{
    printf ("%d", ptr->info);
    count++;
```

typecasting

```
        ptr = ptr -> next;
    }
    printf("\nThe total node is %d", count);
}
```