/\*Please note that it's Function problem i.e.

you need to write your solution in the form of Function(s) only.

Driver Code to call/invoke your function is mentioned above.\*/

/\* Node structure used in the program

struct Node{

int data;

struct Node \* next;

struct Node \* bottom ;

}; \*/

/\* Function which returns the root of

the flattened linked list. \*/

Node \*merge(Node \*x, Node \*y)

{

if(x==NULL)

return y;

if(y == NULL)

return x;

Node \*ptr;

if(x->data < y->data)

{

ptr= x;

ptr->bottom = merge(x->bottom,y);

}

else

{

ptr= y;

ptr->bottom = merge(x,y->bottom);

}

return ptr;

}

Node \*flatten(Node \*root)

{

// Your code here

if(root == NULL || root->next== NULL)

return root;

return merge(root, flatten(root->next));

}