**DAILY ONLINE ACTIVITIES SUMMARY**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **17/06/2020** | | | | **Name:** | **Sheetal** | |
| **Sem & Sec** | **8 B** | | | | **USN:** | **4AL16CS091** | |
| **Online Test Summary** | | | | | | | |
| **Subject** | | **-** | | | | | |
| **Max. Marks** | | **-** | | **Score** | | **-** | |
| **Certification Course Summary(Internship)** | | | | | | | |
| **Task** | **Dynamic BI Automation-Extracting and loading dataset into BI tool using python scripting** | | | | | | |
| **Company** | | | **Gain-Insights** | **Duration** | | | **8 hr** |
| **Coding Challenges** | | | | | | | |
| **Problem Statement:**  **1) c program for triply linked list** | | | | | | | |
| **Status:completed** | | | | | | | |
| **Uploaded the report in Github** | | | | **Yes** | | | |
| **If yes Repository name** | | | | [alvas-education-foundation](https://github.com/alvas-education-foundation)/ **[sheetal-shettigar](https://github.com/alvas-education-foundation/sheetal-shettigar)** | | | |
| **Uploaded the report in slack** | | | | **Yes** | | | |

ONLINE TEST

CODING CHALLENGE:

PROGRAM 1 :

#include<stdio.h>

struct SLL;

struct TLL {

struct TLL \*top;

struct TLL \*bottom;

struct SLL \*next;

};

typedef struct TLL tnode;

typedef struct SLL {

char ch;

struct SLL \*link;

};

typedef struct SLL snode;

snode \*newnode, \*ptr, \*prev, \*temp;

snode \*first = NULL, \*last = NULL;

tnode \*newt, \*tlast = NULL, \*ttemp;

//--- TLL node---

tnode\* create\_tnode()

{newt = (tnode \*)malloc(sizeof(tnode));

if (newt == NULL)

{

printf("\nMemory was not allocated");

return 0;

}

else

{

newt->top = NULL;

newt->bottom = NULL;

newt->next = NULL;

return newt;

}

}

//---SLL---

snode\* create\_node(char c)

{

newnode = (snode \*)malloc(sizeof(snode));

if (newnode == NULL)

{

printf("\nMemory was not allocated");

return 0;

}

else

{

newnode->ch = c;

newnode->link = NULL;

return newnode;

}

}

//--- insert SLL---

void insert\_node\_first(char c)

{

newnode = create\_node(c);

if(tlast->next == NULL)

tlast->next = newnode;

if (first == last && first == NULL)

{

first = last = newnode;

first->link = NULL;

last->link = NULL;

}

else

{

temp = first;

first = newnode;

first->link = temp;

}printf("\n----INSERTED %c TO SLL----", c);

}

//---insert TLL---

void insert\_Tnode()

{

newt = create\_tnode();

if (tlast == NULL)

{

tlast = newt;

tlast->next = NULL;

tlast->top = NULL;

tlast->bottom = NULL;

}

else

{

ttemp = tlast;

tlast = newt;

tlast->next = NULL;

tlast->top = ttemp;

tlast->bottom = NULL;

ttemp->bottom = tlast;

}

printf("\n----CREATED NEW TLL----");

}

void main()

{

char s[100], n;

int i;

scanf("%[^;]s",s);

insert\_Tnode();

for(i = 0; s[i] != '\0'; i++)

{

n = s[i];

if(n == '\n')

insert\_Tnode();

else

insert\_node\_first(n);

}

printf("\n%s\n",s);

}