

## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	17/06/2020	<b>Name:</b>	Sumana Rehman
<b>Sem &amp; Sec</b>	8 <sup>th</sup> Sem B	<b>USN:</b>	4AL16CS107
<b>Online Test Summary</b>			
<b>Subject</b>	--		
<b>Max. Marks</b>	--	<b>Score</b>	--
<b>Certification Course Summary</b>			
<b>Course</b>	Web Application Pentesting		
<b>Certificate Provider</b>	pentesteracademy	<b>Duration</b>	
<b>Coding Challenges</b>			
<b>ProblemStatement:</b> c program for triply linked list			
<b>Status:</b> Completed			
<b>Uploaded the report in Github</b>		Yes	
<b>If yes Repository name</b>		Alvas-education-foundation/Sumana	
<b>Uploaded the report in slack</b>		yes	

## Coding Challenges:

\*c program for triply linked list

```
#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);

}
```