

```

#include <stdio.h>
#include <malloc.h>
#include <stdlib.h>
struct employeeData {
    struct employeeData *prev;
    int SSN;
    char name[20];
    char dept[20];
    char design[20];
    float sal;
    char phno[20];
    struct employee *next;
}

```

```

3
typedef struct employee emp;
emp *first = NULL, *last = NULL;
int n;

```

```

void createlist (int n) {
    emp *t;
    int i;
    first = (emp *) malloc (sizeof (emp));
    first->prev = NULL;
    printf ("Enter details");
    scanf ("%d %s %s %s %s %f %s", &first->SSN,
        first->name, first->dept, first->design,
        &first->sal, first->phno);
    first->next = NULL;
    last = first;
    for (i=1; i<n; i++) {
        t = (emp *) malloc (sizeof (emp));
    }
}

```


first = t;

last = first;

} else {

t → next = first;

t → prev = NULL;

first → prev = t;

}

void main() {

int choice, key, info;

while(1) {

printf("1. Create list\n2. Insert\n3. Delete

end\n4. Delete Front");

scanf("%d", &choice);

switch (choice) {

case 1:

scanf("%d", &n);

createlist(n);

break;

case 2:

insertEnd();

break;

case 3:

insertFront();

break;

case 4:

deleteFront();

break;

case 5:

deleteEnd();

break;

case 6:

display();

break;

case 7;

exit(0);

}

```

1  #include<stdio.h>
2  #include<malloc.h>
3  #include<stdlib.h>
4  struct employeeData
5  {
6      struct employeeData *prev;
7      int SSN;
8      char name[20];
9      char dept[20];
10     char designation[20];
11     float sal;
12     char PhNo[50];
13     struct employeeData *next;
14 };
15
16 typedef struct employeeData employee;

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

DLIST OPERATIONS

- 1.Create a list
- 2.INSERT at End of DLL
- 3.INSERT at Front of DLL
- 4.DELETE at End of DLL
- 5.DELETE at Front of DLL
6. DISPLAY
- 7.EXIT

Enter your choice:

1

Enter the number of elements to be included in list:1

Enter employee id:15

Enter the employee name:qwerty

Enter the employee department:cse

Enter the employee designation:12345

DLIST OPERATIONS

- 1.Create a list
- 2.INSERT at End of DLL
- 3.INSERT at Front of DLL
- 4.DELETE at End of DLL
- 5.DELETE at Front of DLL
6. DISPLAY
- 7.EXIT

Enter your choice:

6

Employee id:15

Employee name:qwerty

Employee department:cse

Employee designation:12345

Employee salary:12345678.000000

Employee phone number:9901