```
Operations:
Create an inventory list.
Insert a new raw material.
Delete a raw material from the inventory.
Display the current inventory.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Item
   struct Item *next;
};
struct Item *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create inventory list \n");
       printf("3.Display inventory\n");
       printf("4.Delete item\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   printf("Enter size of inventory: ");
       strcpy(newitem->name,"\0");
void insert()
   printf("Enter item name : ");
```

```
scanf("%s", name);
        if (strcmp(ptr->name, "\0") == 0)
            strcpy(ptr->name, name);
void display()
        if (strcmp(ptr->name, "\0")!=0)
void delete()
   printf("Enter position : ");
```

```
{
    q=p;
    p=p->next;
}
q->next=p->next;
printf("Deleted item : %s\n",p->name);
free(p);
}
```

```
3.Display inventory
4.Delete item
5.Exit
Enter choice: 1
Enter size of inventory: 5
1.Create inventory list
2.Insert new item
3.Display inventory
4.Delete item
5.Exit
Enter choice: 2
Enter item name : steel
1.Create inventory list
2.Insert new item
3.Display inventory
4.Delete item
5.Exit
Enter choice: 2
Enter item name : bricks
1.Create inventory list
2.Insert new item
3.Display inventory
4.Delete item
5.Exit
Enter choice: 3
steel->bricks->
1.Create inventory list
2.Insert new item
3.Display inventory
4.Delete item
5.Exit
Enter choice: 4
Enter position: 1
Deleted item : steel
1.Create inventory list
2.Insert new item
3.Display inventory
4.Delete item
5.Exit
Enter choice: 3
bricks->
```

```
production line.
Operations:
Create a production task queue.
Insert a new task into the queue.
Delete a completed task.
Display the current task queue.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Task
};
struct Task *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create task queue \n");
       printf("2.Insert new task\n");
       printf("3.Display task queue\n");
       printf("4.Delete task\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
           delete();
           case 5:printf("Exiing..\n");
void create ()
   printf("Enter size of queue: ");
       strcpy(newitem->name,"\0");
```

```
printf("Enter task name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   printf("Enter position : ");
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted task : %s\n",p->name);
free(p);
}
```

- 2.Insert new task
- 3.Display task queue
- 4.Delete task
- 5.Exit
- Enter choice: 2
- Enter task name: t2
- 1.Create task queue
- 2.Insert new task
- 3.Display task queue
- 4.Delete task
- 5.Exit
- Enter choice: 2
- Enter task name: t3
- 1.Create task queue
- 2.Insert new task
- 3.Display task queue
- 4.Delete task
- 5.Exit
- Enter choice: 3
- t1->t2->t3->
- 1.Create task queue
- 2.Insert new task
- 3.Display task queue
- 4.Delete task
- 5.Exit
- Enter choice: 4
- Enter position: 1
- Deleted task: t1
- 1.Create task queue
- 2.Insert new task
- 3.Display task queue
- 4.Delete task
- 5.Exit
- Enter choice: 3
- t2->t3->
- 1.Create task queue
- 2.Insert new task
- 3.Display task queue
- 4.Delete task
- 5.Exit
- Enter choice :

```
machines.
Operations:
Create a maintenance schedule.
Insert a new maintenance task.
Delete a completed maintenance task.
Display the maintenance schedule.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Task
};
struct Task *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Maintenance schedule \n");
       printf("2.Insert new task\n");
       printf("3.Display Maintenance schedule\n");
       printf("4.Delete task\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
           delete();
           case 5:printf("Exiing..\n");
void create ()
   printf("Enter size of schedule: ");
       strcpy(newitem->name,"\0");
```

```
printf("Enter task name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   printf("Enter position : ");
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted task : %s\n",p->name);
free(p);
}
```

```
2.Insert new task
3.Display Maintenance schedule
4.Delete task
5.Exit
Enter choice: 2
Enter task name: t1
1.Create Maintenance schedule
2.Insert new task
3.Display Maintenance schedule
4.Delete task
5.Exit
Enter choice : 2
Enter task name: t2
1.Create Maintenance schedule
2.Insert new task
3.Display Maintenance schedule
4.Delete task
5.Exit
Enter choice: 3
t1->t2->
1.Create Maintenance schedule
2.Insert new task
3.Display Maintenance schedule
4.Delete task
5.Exit
Enter choice: 4
Enter position: 2
Deleted task: t2
1.Create Maintenance schedule
2.Insert new task
3.Display Maintenance schedule
4.Delete task
5.Exit
Enter choice: 3
t1->
1.Create Maintenance schedule
2.Insert new task
3.Display Maintenance schedule
4.Delete task
5.Exit
Enter choice :
```

```
manufacturing plant.
Operations:
Create a shift schedule.
Insert a new shift.
Delete a completed or canceled shift.
Display the current shift schedule.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Staff
   struct Staff *next;
};
struct Staff *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Shift schedule \n");
       printf("2.Insert new Shift\n");
       printf("3.Display Shift schedule\n");
       printf("4.Delete Shift\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
           delete();
           case 5:printf("Exiing..\n");
void create ()
   struct Staff *ptr;
   printf("Enter size of schedule: ");
       struct Staff* newitem=(struct Staff *)malloc(sizeof(struct
Staff));
       strcpy(newitem->name,"\0");
       if(first==NULL)
```

```
printf("Enter Staff name : ");
        if (strcmp(ptr->name,"\0")==0)
            strcpy(ptr->name, name);
void display()
       if (strcmp(ptr->name, "\0")!=0)
   struct Staff*p,*q;
   printf("Enter position : ");
       printf("Deleted Staff : %s\n",p->name);
       free(p);
```

```
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Deleted Staff : %s\n",p->name);
free(p);
}
```

```
2.Insert new Shift
3.Display Shift schedule
4.Delete Shift
5.Exit
Enter choice : 2
Enter Staff name: r2
1.Create Shift schedule
2.Insert new Shift
3.Display Shift schedule
4.Delete Shift
5.Exit
Enter choice: 2
Enter Staff name: r3
1.Create Shift schedule
2.Insert new Shift
3.Display Shift schedule
4.Delete Shift
5.Exit
Enter choice : 3
r1->r2->r3->
1.Create Shift schedule
2.Insert new Shift
3.Display Shift schedule
4.Delete Shift
5.Exit
Enter choice: 4
Enter position: 2
Deleted Staff : r2
1.Create Shift schedule
2.Insert new Shift
3.Display Shift schedule
4.Delete Shift
5.Exit
Enter choice: 3
r1->r3->
1.Create Shift schedule
2.Insert new Shift
3.Display Shift schedule
4.Delete Shift
5.Exit
Enter choice :
```

```
Operations:
Create an order list.
Insert a new customer order.
Delete a completed or canceled order.
Display all current orders*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Order
   struct Order *next;
};
struct Order *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Order list \n");
       printf("2.Insert new customer\n");
       printf("3.Display Order list\n");
       printf("4.Delete customer\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Order *ptr;
   printf("Enter size of order list: ");
       struct Order* newitem=(struct Order *)malloc(sizeof(struct
Order));
       strcpy(newitem->name,"\0");
```

```
printf("Enter Order name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   printf("Enter position : ");
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted Order : %s\n",p->name);
free(p);
}
```

```
2.Insert new customer
3.Display Order list
4.Delete customer
5.Exit
Enter choice: 2
Enter Order name : r2
1.Create Order list
2.Insert new customer
3.Display Order list
4.Delete customer
5.Exit
Enter choice : 2
Enter Order name : r3
1.Create Order list
2.Insert new customer
3.Display Order list
4.Delete customer
5.Exit
Enter choice : 3
r1->r2->r3->
1.Create Order list
2.Insert new customer
3.Display Order list
4.Delete customer
5.Exit
Enter choice: 4
Enter position : 3
Deleted Order : r3
1.Create Order list
2.Insert new customer
3.Display Order list
4.Delete customer
5.Exit
Enter choice : 3
r1->r2->
1.Create Order list
2.Insert new customer
3.Display Order list
4.Delete customer
5.Exit
Enter choice :
```

```
manufacturing process.
Operations:
Create a tool tracking list.
Insert a new tool entry.
Delete a tool that is no longer in use.
Display all tools currently tracked.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Tool
};
struct Tool *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create tool list \n");
       printf("2.Insert new tool\n");
       printf("3.Display tool list\n");
       printf("4.Delete tool\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
           delete();
           case 5:printf("Exiing..\n");
void create ()
   printf("Enter size of tool list: ");
       strcpy(newitem->name,"\0");
```

```
printf("Enter tool name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   printf("Enter position : ");
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted Tool : %s\n",p->name);
free(p);
}
```

```
2.Insert new tool
3.Display tool list
4.Delete tool
5.Exit
Enter choice: 2
Enter tool name: t2
1.Create tool list
2.Insert new tool
3.Display tool list
4.Delete tool
5.Exit
Enter choice : 2
Enter tool name: t3
1.Create tool list
2.Insert new tool
3.Display tool list
4.Delete tool
5.Exit
Enter choice: 3
t1->t2->t3->
1.Create tool list
2.Insert new tool
3.Display tool list
4.Delete tool
5.Exit
Enter choice: 4
Enter position: 1
Deleted Tool : t1
1.Create tool list
2.Insert new tool
3.Display tool list
4.Delete tool
5.Exit
Enter choice: 3
t2->t3->
1.Create tool list
2.Insert new tool
3.Display tool list
4.Delete tool
5.Exit
Enter choice :
```

```
product.
Operations:
Create an assembly line stage list.
Insert a new stage.
Delete a completed stage.
Display the current assembly stages*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Stage
   struct Stage *next;
};
struct Stage *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Stage list \n");
       printf("2.Insert new Stage\n");
       printf("3.Display Stage list\n");
       printf("4.Delete Stage\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
            delete();
            case 5:printf("Exiing..\n");
void create ()
   struct Stage *ptr;
   printf("Enter size of Stage list: ");
        struct Stage* newitem=(struct Stage *)malloc(sizeof(struct
Stage));
       newitem->next=NULL;
       strcpy(newitem->name,"\0");
       if(first==NULL)
    struct Stage *ptr;
```

```
printf("Enter Stage name : ");
        if (strcmp(ptr->name,"\0")==0)
            strcpy(ptr->name, name);
void display()
   struct Stage *ptr;
       if (strcmp(ptr->name, "\0")!=0)
   struct Stage*p,*q;
   printf("Enter position : ");
       printf("Deleted Stage : %s\n",p->name);
```

```
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Deleted Stage : %s\n",p->name);
free(p);
}
```

```
2.Insert new Stage
3.Display Stage list
4.Delete Stage
5.Exit
Enter choice: 2
Enter Stage name : s2
1.Create Stage list
2.Insert new Stage
3.Display Stage list
4.Delete Stage
5.Exit
Enter choice: 2
Enter Stage name: s3
1.Create Stage list
2.Insert new Stage
3.Display Stage list
4.Delete Stage
5.Exit
Enter choice: 3
```

s1->s2->s3->

4.Delete Stage

4.Delete Stage

4.Delete Stage

Enter choice :

Enter choice: 3

1.Create Stage list2.Insert new Stage3.Display Stage list

Enter choice : 4
Enter position : 2
Deleted Stage : s2
1.Create Stage list
2.Insert new Stage
3.Display Stage list

5.Exit

5.Exit

s1->s3->

5.Exit

1.Create Stage list2.Insert new Stage3.Display Stage list

```
Operations:
Create a quality control checklist.
Insert a new checklist item.
Delete a completed or outdated checklist item.
Display the current quality control checklist*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Quality
   char name[20];
   struct Quality *next;
};
struct Quality *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Quality control checklist \n");
        printf("2.Insert new checklist item\n");
       printf("3.Display Quality control list\n");
       printf("4.Delete check list item\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Quality *ptr;
   printf("Enter size of Quality control list: ");
       struct Quality* newitem=(struct Quality *)malloc(sizeof(struct
Quality));
       strcpy(newitem->name,"\0");
```

```
printf("Enter checklist name : ");
   scanf("%s", name);
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
   struct Quality *ptr;
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   struct Quality*p,*q;
   printf("Enter position : ");
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted check list : %s\n",p->name);
free(p);
}
```

```
2.Insert new checklist item
3.Display Quality control list
4.Delete check list item
5.Exit
Enter choice: 2
Enter checklist name: c2
1.Create Quality control checklist
2.Insert new checklist item
3.Display Quality control list
4.Delete check list item
5.Exit
Enter choice: 2
Enter checklist name: c3
1.Create Quality control checklist
2.Insert new checklist item
3.Display Quality control list
4.Delete check list item
5.Fxit
Enter choice: 3
c1->c2->c3->
1.Create Quality control checklist
2.Insert new checklist item
3.Display Quality control list
4.Delete check list item
5.Exit
Enter choice: 4
Enter position: 2
Deleted check list : c2
1.Create Quality control checklist
2.Insert new checklist item
3.Display Quality control list
4.Delete check list item
5.Exit
Enter choice: 3
c1->c3->
1.Create Quality control checklist
2.Insert new checklist item
3.Display Quality control list
4.Delete check list item
5.Exit
Enter choice :
```

```
Operations:
Create a supplier list.
Insert a new supplier.
Delete an inactive or outdated supplier.
Display all current suppliers.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Supplier
   struct Supplier *next;
};
struct Supplier *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Supplier list \n");
        printf("2.Insert new Supplier\n");
       printf("3.Display Supplier list\n");
       printf("4.Delete Supplier\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Supplier *ptr;
   printf("Enter size of Supplier list: ");
       struct Supplier* newitem=(struct Supplier *)malloc(sizeof(struct
Supplier));
       strcpy(newitem->name,"\0");
   struct Supplier *ptr;
```

```
printf("Enter Supplier name : ");
       if(strcmp(ptr->name,"\0")==0)
           strcpy(ptr->name, name);
void display()
   struct Supplier *ptr;
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   struct Supplier*p,*q;
   printf("Enter position : ");
       printf("Deleted Supplier name : %s\n",p->name);
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
    q=p;
    p=p->next;
}
q->next=p->next;
printf("Deleted Supplier name : %s\n",p->name);
free(p);
}
```

```
2.Insert new Supplier
3.Display Supplier list
4.Delete Supplier
5.Exit
Enter choice: 2
Enter Supplier name : jay
1.Create Supplier list
2.Insert new Supplier
3.Display Supplier list
4.Delete Supplier
5.Exit
Enter choice: 2
Enter Supplier name : kay
1.Create Supplier list
2.Insert new Supplier
3.Display Supplier list
4.Delete Supplier
5.Exit
Enter choice: 3
ray->jay->kay->
1.Create Supplier list
2.Insert new Supplier
3.Display Supplier list
4.Delete Supplier
5.Exit
Enter choice: 4
Enter position: 1
Deleted Supplier name : ray
1.Create Supplier list
2.Insert new Supplier
3.Display Supplier list
4.Delete Supplier
5.Exit
Enter choice: 3
jay->kay->
1.Create Supplier list
2.Insert new Supplier
3.Display Supplier list
4.Delete Supplier
5.Exit
Enter choice :
```

```
Operations:
Create a project timeline.
Insert a new project milestone.
Delete a completed milestone.
Display the current project timeline.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Milestone
   struct Milestone *next;
};
struct Milestone *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Milestone timeline \n");
        printf("2.Insert new Milestone\n");
       printf("3.Display Milestone timeline\n");
       printf("4.Delete Milestone\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
            case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Milestone *ptr;
   printf("Enter size of Milestone timeline: ");
       struct Milestone* newitem=(struct Milestone *)malloc(sizeof(struct
Milestone));
       strcpy(newitem->name,"\0");
```

```
printf("Enter Milestone name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
   struct Milestone *ptr;
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   struct Milestone*p,*q;
   printf("Enter position : ");
   scanf("%d", &pos);
       printf("Deleted Milestone : %s\n",p->name);
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
    q=p;
    p=p->next;
}
q->next=p->next;
printf("Deleted Milestone : %s\n",p->name);
free(p);
}
```

```
2.Insert new Milestone
3.Display Milestone timeline
4.Delete Milestone
5.Exit
Enter choice: 2
Enter Milestone name: m2
1.Create Milestone timeline
2.Insert new Milestone
3.Display Milestone timeline
4.Delete Milestone
5.Exit
Enter choice: 2
Enter Milestone name: m3
1.Create Milestone timeline
2.Insert new Milestone
3.Display Milestone timeline
4.Delete Milestone
5.Exit
Enter choice: 3
m1->m2->m3->
1.Create Milestone timeline
2.Insert new Milestone
3.Display Milestone timeline
4.Delete Milestone
5.Exit
Enter choice: 4
Enter position: 1
Deleted Milestone : m1
1.Create Milestone timeline
2.Insert new Milestone
3.Display Milestone timeline
4.Delete Milestone
5.Exit
Enter choice: 3
m2->m3->
1.Create Milestone timeline
2.Insert new Milestone
3.Display Milestone timeline
4.Delete Milestone
5.Exit
Enter choice :
```

```
Operations:
Create a storage list.
Insert a new storage entry.
Delete a storage entry when goods are shipped.
Display the current warehouse storage.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Goods
};
struct Goods *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Storage list \n");
       printf("2.Insert new Goods\n");
       printf("3.Display Storage list\n");
       printf("4.Delete Goods\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   printf("Enter size of Storage list: ");
       struct Goods* newitem=(struct Goods *)malloc(sizeof(struct
Goods));
       strcpy(newitem->name,"\0");
```

```
printf("Enter Goods name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   printf("Enter position : ");
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted Goods : %s\n",p->name);
free(p);
}
```

```
2.Insert new Goods
3.Display Storage list
4.Delete Goods
5.Exit
Enter choice : 2
Enter Goods name : g2
1.Create Storage list
2.Insert new Goods
3.Display Storage list
4.Delete Goods
5.Exit
Enter choice : 2
Enter Goods name : g3
1.Create Storage list
2.Insert new Goods
3.Display Storage list
4.Delete Goods
5.Exit
Enter choice : 3
g1->g2->g3->
1.Create Storage list
2.Insert new Goods
3.Display Storage list
4.Delete Goods
5.Exit
Enter choice: 4
Enter position : 3
Deleted Goods : g3
1.Create Storage list
2.Insert new Goods
3.Display Storage list
4.Delete Goods
5.Exit
Enter choice: 3
g1->g2->
1.Create Storage list
2.Insert new Goods
3.Display Storage list
4.Delete Goods
5.Exit
Enter choice :
```

```
Operations:
Create a parts inventory list.
Insert a new part.
Delete a part that is used up or obsolete.
Display the current parts inventory.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Parts
   struct Parts *next;
};
struct Parts *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Parts inventory \n");
       printf("2.Insert new Parts\n");
       printf("3.Display Partsinventory\n");
       printf("4.Delete Parts\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Parts *ptr;
   printf("Enter size of Inventory: ");
       struct Parts* newitem=(struct Parts *)malloc(sizeof(struct
Parts));
       strcpy(newitem->name,"\0");
```

```
printf("Enter Parts name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   printf("Enter position : ");
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted Parts : %s\n",p->name);
free(p);
}
```

```
2.Insert new Parts
3.Display Partsinventory
4.Delete Parts
5.Exit
Enter choice: 2
Enter Parts name : p2
1.Create Parts inventory
2.Insert new Parts
3.Display Partsinventory
4.Delete Parts
5.Exit
Enter choice: 2
Enter Parts name: p3
1.Create Parts inventory
2.Insert new Parts
3.Display Partsinventory
4.Delete Parts
5.Exit
Enter choice: 3
p1->p2->p3->
1.Create Parts inventory
2.Insert new Parts
3.Display Partsinventory
4.Delete Parts
5.Exit
Enter choice: 4
Enter position: 1
Deleted Parts : p1
1.Create Parts inventory
2.Insert new Parts
3.Display Partsinventory
4.Delete Parts
5.Exit
Enter choice : 3
p2->p3->
1.Create Parts inventory
2.Insert new Parts
3.Display Partsinventory
4.Delete Parts
5.Exit
Enter choice :
```

```
Operations:
Create a packaging task schedule.
Insert a new packaging task.
Delete a completed packaging task.
Display the current packaging schedule.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Task
};
struct Task *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Task schedule \n");
       printf("2.Insert new Task\n");
       printf("3.Display Task schedule\n");
       printf("4.Delete Task\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   printf("Enter size of Task schedule: ");
       strcpy(newitem->name,"\0");
void insert()
   printf("Enter Task name : ");
```

```
scanf("%s", name);
        if (strcmp(ptr->name, "\0") == 0)
            strcpy(ptr->name, name);
void display()
        if (strcmp(ptr->name, "\0")!=0)
void delete()
   printf("Enter position : ");
```

```
{
    q=p;
    p=p->next;
}
q->next=p->next;
printf("Deleted Task : %s\n",p->name);
free(p);
}
```

```
2.Insert new Task
3.Display Task schedule
4.Delete Task
5.Exit
Enter choice : 2
Enter Task name: t2
1.Create Task schedule
2.Insert new Task
3.Display Task schedule
4.Delete Task
5.Exit
Enter choice : 2
Enter Task name: t3
1.Create Task schedule
2.Insert new Task
3.Display Task schedule
4.Delete Task
5.Exit
Enter choice: 3
t1->t2->t3->
1.Create Task schedule
2.Insert new Task
3.Display Task schedule
4.Delete Task
5.Fxit
Enter choice : 4
Enter position: 2
Deleted Task : t2
1.Create Task schedule
2.Insert new Task
3.Display Task schedule
4.Delete Task
5.Exit
Enter choice: 3
t1->t3->
1.Create Task schedule
2.Insert new Task
3.Display Task schedule
4.Delete Task
5.Exit
Enter choice :
```

```
Operations:
Create a defect tracking list.
Insert a new defect report.
Delete a resolved defect.
Display all current defects.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Defects
   struct Defects *next;
};
struct Defects *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Defects tracking list \n");
       printf("2.Insert new Defects\n");
       printf("3.Display Defects tracking list\n");
       printf("4.Delete Defects\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Defects *ptr;
   printf("Enter size of Defects tracking list : ");
       struct Defects* newitem=(struct Defects *)malloc(sizeof(struct
Defects));
       strcpy(newitem->name,"\0");
```

```
printf("Enter defect : ");
   scanf("%s", name);
        if (strcmp(ptr->name, "\0")==0)
            strcpy(ptr->name, name);
void display()
        if(strcmp(ptr->name,"\0")!=0)
void delete()
   printf("Enter position : ");
   scanf("%d", &pos);
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted Defects : %s\n",p->name);
free(p);
}
```

```
2.Insert new Defects
3.Display Defects tracking list
4.Delete Defects
5.Exit
Enter choice: 2
Enter defect : d2
1.Create Defects tracking list
2.Insert new Defects
3.Display Defects tracking list
4.Delete Defects
5.Exit
Enter choice: 2
Enter defect : d3
1.Create Defects tracking list
2.Insert new Defects
3.Display Defects tracking list
4.Delete Defects
5.Exit
Enter choice: 3
d1->d2->d3->
1.Create Defects tracking list
2.Insert new Defects
3.Display Defects tracking list
4.Delete Defects
5.Exit
Enter choice: 4
Enter position: 1
Deleted Defects: d1
1.Create Defects tracking list
2.Insert new Defects
3.Display Defects tracking list
4.Delete Defects
5.Exit
Enter choice: 3
d2->d3->
1.Create Defects tracking list
2.Insert new Defects
3.Display Defects tracking list
4.Delete Defects
5.Exit
Enter choice :
```

```
Operations:
Create a dispatch schedule.
Insert a new dispatch entry.
Delete a dispatched or canceled entry.
Display the current dispatch schedule.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Entry
   struct Entry *next;
};
struct Entry *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Dispatch schedule \n");
       printf("2.Insert Entry\n");
       printf("3.Display Dispatch schedule\n");
       printf("4.Delete Entry\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
            case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   printf("Enter size of Dispatch schedule : ");
Entry));
       strcpy(newitem->name,"\0");
```

```
printf("Enter Entry name : ");
       if (strcmp(ptr->name, "\0") == 0)
           strcpy(ptr->name, name);
void display()
void delete()
   printf("Enter position : ");
       printf("Deleted Entry : %s\n",p->name);
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Deleted Entry : %s\n",p->name);
free(p);
}
```

```
2.Insert Entry
3.Display Dispatch schedule
4.Delete Entry
5.Exit
Enter choice: 2
Enter Entry name : d2
1.Create Dispatch schedule
2.Insert Entry
3.Display Dispatch schedule
4.Delete Entry
5.Exit
Enter choice: 2
Enter Entry name : d3
1.Create Dispatch schedule
2.Insert Entry
3.Display Dispatch schedule
4.Delete Entry
5.Exit
Enter choice: 3
d1->d2->d3->
1.Create Dispatch schedule
2.Insert Entry
3.Display Dispatch schedule
4.Delete Entry
5.Exit
Enter choice: 4
Enter position: 2
Deleted Entry : d2
1.Create Dispatch schedule
2.Insert Entry
3.Display Dispatch schedule
4.Delete Entry
5.Exit
Enter choice: 3
d1->d3->
1.Create Dispatch schedule
2.Insert Entry
3.Display Dispatch schedule
4.Delete Entry
5.Exit
```

Enter choice .

```
team.Operations:
Create a team roster.
Insert a new player.
Delete a player who leaves the team.
Display the current team roster.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Player
   struct Player *next;
};
struct Player *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Player roster \n");
       printf("2.Insert Player\n");
       printf("3.Display Player roster\n");
       printf("4.Delete Player\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Player *ptr;
   printf("Enter size of Player roster : ");
       struct Player* newitem=(struct Player *)malloc(sizeof(struct
Player));
       strcpy(newitem->name,"\0");
   struct Player *ptr;
```

```
printf("Enter Player name : ");
       if (strcmp(ptr->name, "\0") == 0)
           strcpy(ptr->name, name);
void display()
   struct Player *ptr;
       if(strcmp(ptr->name,"\0")!=0)
void delete()
   struct Player*p,*q;
   printf("Enter position : ");
       printf("Removed Player : %s\n",p->name);
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Removed Player : %s\n",p->name);
free(p);
}
```

```
2.Insert Player
3.Display Player roster
4.Delete Player
5.Exit
Enter choice: 2
Enter Player name : p2
1.Create Player roster
2.Insert Player
3.Display Player roster
4.Delete Player
5.Exit
Enter choice: 2
Enter Player name : p3
1.Create Player roster
2.Insert Player
3.Display Player roster
4.Delete Player
5.Exit
Enter choice: 3
p1->p2->p3->
1.Create Player roster
2.Insert Player
3.Display Player roster
4.Delete Player
5.Exit
Enter choice: 4
Enter position: 1
Removed Player : p1
1.Create Player roster
2.Insert Player
3.Display Player roster
4.Delete Player
5.Exit
Enter choice: 3
p2->p3->
1.Create Player roster
2.Insert Player
3.Display Player roster
4.Delete Player
5.Exit
Enter choice :
```

```
Create a match schedule.
Insert a new match.
Delete a completed or canceled match.
Display the current match schedule.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Match
   struct Match *next;
};
struct Match *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Match list \n");
       printf("2.Insert Match\n");
       printf("3.Display Match list\n");
       printf("4.Delete Match\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Match *ptr;
   printf("Enter size of Match list : ");
       struct Match* newitem=(struct Match *)malloc(sizeof(struct
Match));
       newitem->next=NULL;
       strcpy(newitem->Team1,"\0");
       strcpy(newitem->Team2,"\0");
       if(first==NULL)
```

```
printf("Enter Team1 : ");
   printf("Enter Team2 : ");
        if (strcmp(ptr->Team1, "\0") ==0)
            strcpy(ptr->Team1, name1);
            strcpy(ptr->Team2, name2);
void display()
       if (strcmp(ptr->Team1, "\0")!=0)
           printf("MATCH : %s V/S %s\n",ptr->Team1,ptr->Team2);
   printf("\n");
void delete()
   printf("Enter match no : ");
```

```
{
    first=first->next;
    printf("Removed Match : %s V/S %s\n",p->Team1,p->Team2);
    free(p);
}
else
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed Match : %s V/S %s\n",p->Team1,p->Team2);
free(p);
}
```

```
1.Create Match list
2.Insert Match
3.Display Match list
4.Delete Match
5.Exit
Enter choice: 2
Enter Team1 : t5
Enter Team2: t6
1.Create Match list
2.Insert Match
3.Display Match list
4.Delete Match
5.Exit
Enter choice: 3
MATCH: t1 V/S t2
MATCH: t3 V/S t4
MATCH: t5 V/S t6
1.Create Match list
2.Insert Match
3.Display Match list
4.Delete Match
5.Exit
Enter choice: 4
Enter match no : 1
Removed Match: t1 V/S t2
1.Create Match list
2.Insert Match
3.Display Match list
4.Delete Match
5.Exit
Enter choice: 3
MATCH: t3 V/S t4
MATCH: t5 V/S t6
1.Create Match list
2.Insert Match
3.Display Match list
4.Delete Match
5.Exit
Enter choice :
```

```
Create a training log.
Insert a new training session.
Delete a completed or canceled session.
Display the training log.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Session
   struct Session *next;
};
struct Session *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Training session list \n");
       printf("2.Insert Session\n");
       printf("3.Display Training session\n");
       printf("4.Delete Session\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
            display();
```

```
case 5:printf("Exiing..\n");
void create ()
   struct Session *ptr;
   printf("Enter size of Training session list : ");
   scanf("%d", &n);
       struct Session* newitem=(struct Session *)malloc(sizeof(struct
Session));
       strcpy(newitem->excercise,"\0");
       if(first==NULL)
void insert()
   printf("Enter Session name : ");
```

```
scanf("%s", name);
        if(strcmp(ptr->excercise,"\0") ==0)
           strcpy(ptr->excercise,name);
void display()
       if(strcmp(ptr->excercise,"\0")!=0)
void delete()
   printf("Enter position : ");
   scanf("%d", &pos);
       printf("Removed Session : %s\n",p->excercise);
```

```
{
    q=p;
    p=p->next;
}
q->next=p->next;
printf("Removed Session : %s\n",p->excercise);
free(p);
}
```

```
Enter choice : 2
Enter Session name : s1
1.Create Training session list
2.Insert Session
3.Display Training session
4.Delete Session
5.Exit
Enter choice: 2
Enter Session name: s2
1.Create Training session list
2.Insert Session
3.Display Training session
4.Delete Session
5.Exit
Enter choice: 2
Enter Session name: s3
1.Create Training session list
2.Insert Session
3.Display Training session
4.Delete Session
5.Exit
Enter choice: 3
s1->s2->s3->
1.Create Training session list
2.Insert Session
3.Display Training session
4.Delete Session
5.Exit
Enter choice: 4
Enter position: 2
Removed Session: s2
1.Create Training session list
2.Insert Session
3.Display Training session
4.Delete Session
5.Exit
Enter choice: 3
s1->s3->
1.Create Training session list
2.Insert Session
3.Display Training session
```

```
equipment.Operations:
Create an equipment inventory list.
Insert a new equipment item.
Delete an item that is no longer usable.
Display the current equipment inventory.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Inventory
   struct Inventory *next;
};
struct Inventory *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Inventory list \n");
        printf("2.Insert equipment\n");
       printf("3.Display Inventory\n");
       printf("4.Delete equipment\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   printf("Enter size of Inventory list : ");
Inventory));
       newitem->next=NULL;
       strcpy(newitem->equipment,"\0");
```

```
printf("Enter Inventory name : ");
       if (strcmp(ptr->equipment,"\0") == 0)
           strcpy(ptr->equipment, name);
void display()
       if(strcmp(ptr->equipment,"\0")!=0)
void delete()
   struct Inventory*p, *q;
   printf("Enter position : ");
       printf("Removed Inventory : %s\n",p->equipment);
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
    q=p;
    p=p->next;
}
q->next=p->next;
printf("Removed Inventory : %s\n",p->equipment);
free(p);
}
```

```
2.Insert equipment
3.Display Inventory
4.Delete equipment
5.Exit
Enter choice: 2
Enter Inventory name: e2
1.Create Inventory list
2.Insert equipment
3.Display Inventory
4.Delete equipment
5.Exit
Enter choice: 2
Enter Inventory name: e3
1.Create Inventory list
2.Insert equipment
3.Display Inventory
4.Delete equipment
5.Exit
Enter choice: 3
e1->e2->e3->
1.Create Inventory list
2.Insert equipment
3.Display Inventory
4.Delete equipment
5.Exit
Enter choice: 4
Enter position: 1
Removed Inventory: e1
1.Create Inventory list
2.Insert equipment
3.Display Inventory
4.Delete equipment
5.Exit
Enter choice: 3
e2->e3->
1.Create Inventory list
2.Insert equipment
3.Display Inventory
4.Delete equipment
5.Exit
Enter choice:
```

```
season.Operations:
Create a performance record list.
Insert a new performance entry.
Delete an outdated or erroneous entry.
Display all performance records.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Performance
    struct Performance *next;
struct Performance *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Performance list \n");
       printf("2.Insert performance\n");
       printf("3.Display Performance\n");
       printf("4.Delete performance\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
           delete();
           case 5:printf("Exiing..\n");
void create ()
   struct Performance *ptr;
   printf("Enter size of Performance list : ");
       struct Performance* newitem=(struct Performance
*)malloc(sizeof(struct Performance));
       newitem->next=NULL;
       strcpy(newitem->name,"\0");
```

```
struct Performance *ptr;
   printf("Enter Player name : ");
   printf("Enter player score : ");
        if (strcmp (ptr->name, "\0") ==0)
            strcpy(ptr->name, name);
void display()
   struct Performance *ptr;
   while(ptr!=NULL)
       if (strcmp(ptr->name, "\0")!=0)
       printf("Player name : %s | Score : %d\n",ptr->name,ptr->score);
   printf("\n");
void delete()
   printf("Enter position : ");
```

```
{
    first=first->next;
    printf("Removed Player : %s | Score : %d\n",p->name,p->score);
    free(p);
}
else
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed Player : %s | Score : %d\n",p->name,p->score);
free(p);
}
```

```
1.Create Performance list
2.Insert performance
3.Display Performance
4.Delete performance
5.Exit
Enter choice: 2
Enter Player name : p3
Enter player score: 40
1.Create Performance list
2.Insert performance
3.Display Performance
4.Delete performance
5.Exit
Enter choice: 3
Player name : p1 | Score : 20
Player name : p2 | Score : 30
Player name : p3 | Score : 40
1.Create Performance list
2.Insert performance
3.Display Performance
4.Delete performance
5.Exit
Enter choice: 4
Enter position: 1
Removed Player : p1 | Score : 20
1.Create Performance list
2.Insert performance
3.Display Performance
4.Delete performance
5.Exit
Enter choice: 3
Player name : p2 | Score : 30
Player name : p3 | Score : 40
1.Create Performance list
2.Insert performance
3.Display Performance
4.Delete performance
5.Exit
Enter choice :
```

```
events.Operations:
Create a registration list.
Insert a new registration.
Delete a canceled registration.
Display all current registrations*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Registration
   struct Registration *next;
};
struct Registration *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Registration list \n");
        printf("2.Insert Registration\n");
       printf("3.Display Registration\n");
        printf("4.Delete Registration\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Registration *ptr;
   printf("Enter size of Registration list : ");
       struct Registration* newitem=(struct Registration
*)malloc(sizeof(struct Registration));
       strcpy(newitem->name,"\0");
   struct Registration *ptr;
```

```
printf("Enter Player name : ");
   scanf("%s", name);
        if (strcmp(ptr->name,"\0")==0)
           strcpy(ptr->name, name);
void display()
   struct Registration *ptr;
       if (strcmp(ptr->name, "\0")!=0)
       printf("Player name : %s\n",ptr->name);
void delete()
   struct Registration*p,*q;
   printf("Enter position : ");
       printf("Removed Player : %s\n",p->name);
       free(p);
```

```
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed Player : %s\n",p->name);
free(p);
}
```

```
Enter Player name : p2
1.Create Registration list
2.Insert Registration
3.Display Registration
4.Delete Registration
5.Exit
Enter choice: 2
Enter Player name: p3
1.Create Registration list
2.Insert Registration
3.Display Registration
4.Delete Registration
5.Exit
Enter choice: 3
Player name : p1
Player name : p2
Player name : p3
1.Create Registration list
2.Insert Registration
3.Display Registration
4.Delete Registration
5.Exit
Enter choice: 4
Enter position: 2
Removed Player: p2
1.Create Registration list
2. Insert Registration
3.Display Registration
4.Delete Registration
5.Exit
Enter choice: 3
Player name : p1
Player name : p3
1.Create Registration list
2.Insert Registration
3.Display Registration
4.Delete Registration
5.Exit
Enter choice :
```

```
league.Operations:
Create a league standings list.
Insert a new team.
Delete a team that withdraws.
Display the current league standings.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct League
   char name[20];
   struct League *next;
struct League *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create League standing \n");
       printf("2.Insert Team\n");
       printf("3.Display League standing\n");
       printf("4.Delete Team\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
           delete();
           case 5:printf("Exiing..\n");
void create ()
   struct League *ptr;
   printf("Enter size of League standing : ");
        struct League* newitem=(struct League *)malloc(sizeof(struct
League));
       newitem->next=NULL;
       strcpy(newitem->name,"\0");
```

```
struct League *ptr;
   printf("Enter Team name : ");
   printf("Enter team ranking : ");
        if (strcmp (ptr->name, "\0") ==0)
            strcpy(ptr->name, name);
void display()
   struct League *ptr;
   while(ptr!=NULL)
       if (strcmp(ptr->name, "\0")!=0)
       printf("Team name : %s | Ranking :%d \n",ptr->name,ptr->rank);
   printf("\n");
void delete()
   struct League*p,*q;
   printf("Enter position : ");
```

```
{
    first=first->next;
    printf("Removed Team : %s\n",p->name);
    free(p);
}
else
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed Team : %s\n",p->name);
free(p);
}
```

```
1.Create League standing
2.Insert Team
3.Display League standing
4.Delete Team
5.Exit
Enter choice: 2
Enter Team name: t3
Enter team ranking: 3

    Create League standing

2.Insert Team
3.Display League standing
4.Delete Team
5.Exit
Enter choice: 3
Team name : t1 | Ranking :1
Team name : t2 | Ranking :2
Team name : t3 | Ranking :3

    Create League standing

2.Insert Team
3.Display League standing
4.Delete Team
5.Exit
Enter choice: 4
Enter position: 1
Removed Team : t1

    Create League standing

2.Insert Team
3.Display League standing
4.Delete Team
5.Exit
Enter choice : 3
Team name : t2 | Ranking :2
Team name : t3 | Ranking :3
1.Create League standing
2.Insert Team
3.Display League standing
4.Delete Team
5.Exit
Enter choice :
```

```
Create a match result list.
Insert a new match result.
Delete an incorrect or outdated result.
Display all recorded match results.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Match
   struct Match *next;
};
struct Match *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Result list \n");
       printf("2.Insert Result\n");
       printf("3.Display Result list\n");
       printf("4.Delete Result\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Match *ptr;
   printf("Enter size of Match list: ");
       struct Match* newitem=(struct Match *)malloc(sizeof(struct
Match));
       if(first==NULL)
```

```
printf("Enter Match no : ");
   printf("Enter team result(0=team1 won,1=team2 won) : ");
void display()
           printf("Match No : %d | Result : Team 1 won \n",ptr->match);
           printf("Match No : %d | Result : Team 2 won \n",ptr->match);
```

```
p=first;
printf("Enter position : ");
scanf("%d", &pos);
if(pos==1)
{
    first=first->next;
    printf("Removed Result : %d\n",p->match);
    free(p);
}
else
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed Result : %d\n",p->match);
free(p);
}
```

```
1.Create Result list
2.Insert Result
3.Display Result list
4.Delete Result
5.Exit
Enter choice: 2
Enter Match no: 3
Enter team result(0=team1 won,1=team2 won) : 1
1.Create Result list
2.Insert Result
3.Display Result list
4.Delete Result
5.Exit
Enter choice: 3
Match No : 1 | Result : Team 1 won
Match No : 2 | Result : Team 2 won
Match No : 3 | Result : Team 2 won
1.Create Result list
2.Insert Result
3.Display Result list
4.Delete Result
5.Exit
Enter choice: 4
Enter position: 2
Removed Result : 2
1.Create Result list
2.Insert Result
3.Display Result list
4.Delete Result
5.Exit
Enter choice: 3
Match No : 1 | Result : Team 1 won
Match No: 3 | Result: Team 2 won
1.Create Result list
2.Insert Result
3.Display Result list
4.Delete Result
5.Exit
Enter choice :
```

```
Create an injury tracker list.
Insert a new injury report.
Delete a resolved or erroneous injury report.
Display all current injury reports.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Injury
   struct Injury *next;
};
struct Injury *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Injured list \n");
       printf("2.Insert Player\n");
       printf("3.Display Injured list\n");
       printf("4.Delete Player\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   printf("Enter size of Injury list: ");
Injury));
       strcpy(newitem->name,"\0");
       strcpy(newitem->part,"\0");
       if(first==NULL)
```

```
char name[20],part[20];
   printf("Enter name : ");
  printf("Enter injured part : ");
       if (strcmp(ptr->name,"\0")==0)
           strcpy(ptr->name, name);
           strcpy(ptr->part,part);
void display()
       if (strcmp(ptr->name, "\0")!=0)
           printf("Player : %s | Injury : %s\n",ptr->name,ptr->part);
void delete()
   struct Injury*p,*q;
   printf("Enter position : ");
```

```
if(pos==1)
{
    first=first->next;
    printf("Removed player : %s\n",p->name);
    free(p);
}
else
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed player : %s\n",p->name);
free(p);
}
```

```
1.Create Injured list
2.Insert Player
3.Display Injured list
4.Delete Player
5.Exit
Enter choice: 2
Enter name : p3
Enter injured part : head
1.Create Injured list
2.Insert Player
3.Display Injured list
4.Delete Player
5.Exit
Enter choice: 3
Player : p1 | Injury : arm
Player : p2 | Injury : leg
Player: p3 | Injury: head
1.Create Injured list
2.Insert Player
3.Display Injured list
4.Delete Player
5.Exit
Enter choice: 4
Enter position: 1
Removed player : p1
1.Create Injured list
2.Insert Player
3.Display Injured list
4.Delete Player
5.Exit
Enter choice: 3
Player : p2 | Injury : leg
Player : p3 | Injury : head
1.Create Injured list
2.Insert Player
3.Display Injured list
4.Delete Player
5.Exit
Enter choice :
```

```
Create a booking list.
Insert a new booking.
Delete a canceled or completed booking.
Display all current bookings.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Sport
   struct Sport *next;
};
struct Sport *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create booking list \n");
        printf("2.Insert booking\n");
       printf("3.Display booking list\n");
       printf("4.Delete booking\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Sport *ptr;
   printf("Enter size of booking list: ");
       struct Sport* newitem=(struct Sport *)malloc(sizeof(struct
Sport));
       strcpy(newitem->class,"\0");
       strcpy(newitem->facility,"\0");
       if(first==NULL)
   struct Sport *ptr;
```

```
printf("Enter class name : ");
  printf("Enter facility name : ");
        if (strcmp(ptr->class, "\0") ==0)
           strcpy(ptr->class,name);
           strcpy(ptr->facility,f);
void display()
   struct Sport *ptr;
       if (strcmp(ptr->class, "\0")!=0)
           printf("Class : %s | Facility :
%s\n",ptr->class,ptr->facility);
void delete()
   struct Sport*p,*q;
   printf("Enter position : ");
```

```
scanf("%d", &pos);
if(pos==1)
{
    first=first->next;
    printf("Removed Booking: %s\n",p->class);
    free(p);
}
else
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
    q->next=p->next;
printf("Removed Booking: %s\n",p->class);
free(p);
}
```

```
2.Insert booking
3.Display booking list
4.Delete booking
5.Exit
Enter choice: 2
Enter class name:
Enter facility name : ground
1.Create booking list
2.Insert booking
3.Display booking list
4.Delete booking
5.Exit
Enter choice: 3
Class : A | Facility : gym
Class : B | Facility : hall
Class : c | Facility : ground
1.Create booking list
2.Insert booking
3.Display booking list
4.Delete booking
5.Exit
Enter choice: 4
Enter position: 3
Removed Booking : c
1.Create booking list
2.Insert booking
3.Display booking list
4.Delete booking
5.Exit
Enter choice: 3
Class : A | Facility : gym
Class : B | Facility : hall
1.Create booking list
2.Insert booking
3.Display booking list
4.Delete booking
5.Exit
Enter choice :
```

```
team.Operations:
Create a coaching staff list.
Insert a new coach.
Delete a coach who leaves the team.
Display the current coaching staff.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Staff
   struct Staff *next;
};
struct Staff *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Staff list \n");
       printf("2.Insert coach\n");
       printf("3.Display Staff\n");
       printf("4.Delete coach\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Staff *ptr;
   printf("Enter size of Staff list : ");
       struct Staff* newitem=(struct Staff *)malloc(sizeof(struct
Staff));
       strcpy(newitem->name,"\0");
   struct Staff *ptr;
```

```
printf("Enter coach name : ");
       if (strcmp(ptr->name, "\0")==0)
           strcpy(ptr->name, name);
void display()
   struct Staff *ptr;
       if(strcmp(ptr->name,"\0")!=0)
   struct Staff*p,*q;
   printf("Enter position : ");
       printf("Removed coach : %s\n",p->name);
       free(p);
```

```
for(int i=0;i<pos-1;i++)

{
     q=p;
     p=p->next;
}
q->next=p->next;
printf("Removed coach : %s\n",p->name);
free(p);
}
```

```
Enter coach name : c2
1.Create Staff list
2.Insert coach
3.Display Staff
4.Delete coach
5.Exit
Enter choice: 2
Enter coach name: c3
1.Create Staff list
2.Insert coach
3.Display Staff
4.Delete coach
5.Exit
Enter choice: 3
Coach name : c1
Coach name : c2
Coach name: c3
1.Create Staff list
2.Insert coach
3.Display Staff
4.Delete coach
5.Exit
Enter choice: 4
Enter position: 2
Removed coach: c2
1.Create Staff list
2.Insert coach
3.Display Staff
4.Delete coach
5.Exit
Enter choice: 3
Coach name : c1
Coach name : c3
1.Create Staff list
2.Insert coach
3.Display Staff
4.Delete coach
5.Exit
Enter choice :
```

```
club.Operations:
Create a membership list.
Insert a new member.
Delete a member who cancels their membership.
Display all current members.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Members
   struct Members *next;
};
struct Members *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Members list \n");
       printf("2.Insert Member\n");
       printf("3.Display Members\n");
       printf("4.Delete Member\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Members *ptr;
   printf("Enter size of Members list : ");
       struct Members* newitem=(struct Members *)malloc(sizeof(struct
Members));
       strcpy(newitem->name,"\0");
```

```
printf("Enter Member name : ");
   scanf("%s", name);
        if (strcmp(ptr->name, "\0") ==0)
           strcpy(ptr->name, name);
void display()
   struct Members *ptr;
       if (strcmp(ptr->name, "\0")!=0)
       printf("Member name : %s\n",ptr->name);
void delete()
   printf("Enter position : ");
       printf("Removed Member : %s\n",p->name);
       free(p);
```

```
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed Member : %s\n",p->name);
free(p);
}
```

- 1.Create Members list
- 2.Insert Member
- 3.Display Members
- 4.Delete Member
- 5.Exit

Enter choice: 2

Enter Member name: m2

- 1.Create Members list
- 2.Insert Member
- 3.Display Members
- 4.Delete Member
- 5.Exit

Enter choice: 2

Enter Member name: m3

- 1.Create Members list
- 2.Insert Member
- 3.Display Members
- 4.Delete Member
- 5.Exit

Enter choice: 3

Member name : m1

Member name : m2

Member name: m3

- 1.Create Members list
- 2.Insert Member
- 3.Display Members
- 4.Delete Member
- 5.Exit

Enter choice: 4

Enter position: 2

Removed Member: m2

- 1.Create Members list
- 2.Insert Member
- 3.Display Members
- 4.Delete Member
- 5.Exit

Enter choice: 3

Member name : m1

Member name: m3

```
Create an event schedule.
Insert a new event.
Delete a completed or canceled event.
Display the current event schedule*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Schedule
   struct Schedule *next;
};
struct Schedule *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Schedule list \n");
       printf("3.Display Schedule\n");
       printf("4.Delete event\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            display();
```

```
case 5:printf("Exiing..\n");
void create ()
   struct Schedule *ptr;
   printf("Enter size of Schedule list : ");
   scanf("%d", &n);
       struct Schedule* newitem=(struct Schedule *)malloc(sizeof(struct
Schedule));
       strcpy(newitem->event,"\0");
   printf("Enter Event : ");
```

```
scanf("%s", name);
       if (strcmp(ptr->event, "\0") ==0)
           strcpy(ptr->event, name);
void display()
       if(strcmp(ptr->event,"\0")!=0)
       printf("Event name : %s\n",ptr->event);
void delete()
   struct Schedule*p,*q;
   printf("Enter position : ");
       printf("Removed event : %s\n",p->event);
       free(p);
```

```
for(int i=0;i<pos-1;i++)
{
          q=p;
          p=p->next;
}
q->next=p->next;
printf("Removed event : %s\n",p->event);
free(p);
}
```

```
Enter Event : e2
1.Create Schedule list
2.Insert Event
3.Display Schedule
4.Delete event
5.Exit
Enter choice: 2
Enter Event : e3
1.Create Schedule list
2.Insert Event
3.Display Schedule
4.Delete event
5.Exit
Enter choice: 3
Event name: e1
Event name: e2
Event name: e3
1.Create Schedule list
2.Insert Event
3.Display Schedule
4.Delete event
5.Exit
Enter choice: 4
Enter position: 2
Removed event : e2
1.Create Schedule list
2.Insert Event
3.Display Schedule
4.Delete event
5.Exit
Enter choice: 3
Event name : e1
Event name: e3
1.Create Schedule list
2.Insert Event
3.Display Schedule
4.Delete event
5.Exit
Enter choice :
```

```
teams.Operations:
Create a transfer record list.
Insert a new transfer record.
Delete an outdated or erroneous transfer record.
Display all current transfer records.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Transfer
   struct Transfer *next;
};
struct Transfer *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Transfer list \n");
        printf("2.Insert transfer\n");
       printf("3.Display Transfer list\n");
       printf("4.Delete transfer\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
           create();
            insert();
```

```
display();
           delete();
           case 5:printf("Exiing..\n");
    } while (choice!=5);
void create ()
   struct Transfer *ptr;
   printf("Enter size of Transfer list : ");
       struct Transfer* newitem=(struct Transfer *)malloc(sizeof(struct
Transfer));
       newitem->next=NULL;
       strcpy(newitem->team1,"\0");
       strcpy(newitem->team2,"\0");
       strcpy(newitem->name,"\0");
       if(first==NULL)
```

```
void insert()
   struct Transfer *ptr;
   printf("Enter player name : ");
   printf("Enter From team : ");
   printf("Enter To team : ");
   while (ptr!=0)
        if (strcmp (ptr->name, "\setminus0") ==0)
            strcpy(ptr->name, name);
            strcpy(ptr->team1, name1);
            strcpy(ptr->team2, name2);
void display()
   struct Transfer *ptr;
       if (strcmp(ptr->name, "\0")!=0)
   printf("\n");
```

```
void delete()
   printf("Enter position : ");
       printf("Removed record of %s\n",p->name);
       free(p);
   printf("Removed record of %s\n",p->name);
```

```
5.Exit
Enter choice : 2
Enter player name : p2
Enter From team : t2
Enter To team: t1
1.Create Transfer list
2.Insert transfer
3.Display Transfer list
4.Delete transfer
5.Exit
Enter choice: 2
Enter player name : p3
Enter From team : t3
Enter To team: t2
1.Create Transfer list
2.Insert transfer
3.Display Transfer list
4.Delete transfer
5.Exit
Enter choice: 3
p1 was tranfered from t1 to t2
p2 was tranfered from t2 to t1
p3 was tranfered from t3 to t2
1.Create Transfer list
2.Insert transfer
3.Display Transfer list
4.Delete transfer
5.Exit
Enter choice: 4
Enter position: 2
Removed record of p2
1.Create Transfer list
2.Insert transfer
3.Display Transfer list
4.Delete transfer
5.Exit
Enter choice: 3
p1 was tranfered from t1 to t2
p3 was tranfered from t3 to t2
```

```
teams.Operations:
Create a points tracker list.
Insert a new points entry.
Delete an incorrect or outdated points entry.
Display all current points standings.*/
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
struct Championship
   struct Championship *next;
struct Championship *first=NULL;
void create();
void insert();
void delete();
void display();
void main()
    printf("1.Create Championship list \n");
       printf("2.Insert Team\n");
       printf("3.Display Championship list\n");
       printf("4.Delete Team\n");
       printf("5.Exit\n");
       printf("Enter choice : ");
       scanf("%d", &choice);
           create();
            insert();
```

```
case 3:
           display();
           delete();
           case 5:printf("Exiing..\n");
void create ()
   struct Championship *ptr;
   printf("Enter size of Championship list : ");
       struct Championship* newitem=(struct Championship
*)malloc(sizeof(struct Championship));
       newitem->next=NULL;
       strcpy(newitem->name,"\0");
```

```
struct Championship *ptr;
   printf("Enter team name : ");
   printf("Enter points: ");
       if (strcmp (ptr->name, "\0") ==0)
           strcpy(ptr->name, name);
void display()
   struct Championship *ptr;
   while(ptr!=NULL)
       if (strcmp(ptr->name, "\0")!=0)
           printf("Team : %s | Score : %d\n",ptr->name,ptr->points);
   struct Championship*p,*q;
```

```
printf("Enter position : ");
scanf("%d", &pos);
if(pos==1)
{
    first=first->next;
    printf("Removed team : %s\n",p->name);
    free(p);
}
else
{
    for(int i=0;i<pos-1;i++)
{
        q=p;
        p=p->next;
}
q->next=p->next;
printf("Removed team : %s\n",p->name);
free(p);
}
```

```
3.Display Championship list
4.Delete Team
5.Exit
Enter choice: 2
Enter team name : t2
Enter points: 50
1.Create Championship list
2.Insert Team
3.Display Championship list
4.Delete Team
5.Exit
Enter choice: 2
Enter team name: t3
Enter points: 70
1.Create Championship list
2.Insert Team
3.Display Championship list
4.Delete Team
5.Exit
Enter choice: 3
Team : t1 | Score : 40
Team : t2 | Score : 50
Team : t3 | Score : 70
1.Create Championship list
2.Insert Team
3.Display Championship list
4.Delete Team
5.Exit
Enter choice: 4
Enter position: 1
Removed team : t1
1.Create Championship list
2.Insert Team
3.Display Championship list
4.Delete Team
5.Exit
Enter choice: 3
Team : t2 | Score : 50
Team : t3 | Score : 70
```