Linear queue

```
#include <stdio.h>
#include<stdlib.h>
#define size 3
int a[size],rear=-1,front=0;
void insert(){
   if(rear==(size-1))
   {
       printf("Overflow");

   }
  else
  {
      printf("\nEnter element to be inserted:");
      scanf("%d",&a[++rear]);
  }
}
void delete(){
   if(rear==-1||front==size)
   printf("\nUnderflow");
   else
   printf("\nDeleted element=%d",a[front++]);
}
void display(){
   if(rear==-1||front==size)
   printf("\nUnderflow");
   else
   printf("The elements are: ");
   for(int i=front;i<=rear;i++)
   {
       printf("%d\t",a[i]);
   }
}
int main()
{
   int choice;

   while(1){
        printf("\nEnter choice\n1.Insert\n2.Delete\n3.Display\n4.Exit");
   scanf("%d",&choice);
   switch(choice)
```

```
    {
        case 1:insert();
        break;
        case 2:delete();
        break;
        case 3:display();
        break;
        case 4:exit(0);
        default :printf("Invalid");

    }}
    return 0;
}
```