```
else {
  printf(t);
  }}
```

Assignment-7

1) WAP implementing insert, delete & display oper^n of Circular queue.

```
#include <stdio.h>
# define MAX 5
int cqueue_arr[MAX];
int front=0;
int rear=-1;
int count=0;
int insert(int item)
{
  if(count==MAX)
  {
    printf("Overflow");
    return;
  }
  else
  {
  rear=(rear+1)%MAX;
  cqueue_arr[rear]=item;
```

```
count=count+1;
return;}}
void deletion()
{
 if(count==0)
 {
  printf("Queue Underflow");
  return;
 }
else
 {printf("Element deleted from queue is : %d\n",
                         cqueue, arr[front]
  front=(front+1)%MAX;
    count=count-1;
  }}
void display()
  {
   int i,j;
   if(count==0)
   {
   printf("CQ is empty");}
   else{
   printf("Elements in the Circular queue are:\n
   j=front;
  for(i=0;i<count;i++)
   {printf("%d", cqueue_arr[j]);
 j = (j+1) % MAX;
  } }}
int main()
{
  int choice, item;
  printf(" CIRULAR QUEUE");
   do {
   printf(" 1. INSERTION");
   printf("2. Deletion");
   printf("3. Display");
    printf("4. Quit");
     switch (choice)
      {
     case 1: printf("Enter the element for insertion
     scanf("%d", &item);
      insert(item);
       break;
     case 2: deletion();
             break;
     case 3: display();
             break
     case 4: break;
     default: printf("Wrong");
     }}
```

```
while(choice!=4);
 return 0;
}
```