/*Circular Queue Implementation through Array*/ #include #include int queue[5]; int front=0; int rear=0; void addq() { int num; if(((rear+1)%5) == front) { printf("\nCircular Queue Full\n"); return; } else { printf("\nEnter a number...: "); scanf("%d",&num); queue[rear]=num; printf("\n%d added to Circular Queue at %d position\n",num,rear); rear=(rear+1)%5; } } void delq() { int a; if(front == rear) { printf("\nCircular Queue Empty\n"); } else { a=queue[front]; printf("\n%d Deleted from queue from %d position",a,front); front=(front+1)%5; } } void display() { int i; if(front==rear) { printf("\nCircular Queue Empty\n"); } else { printf("\n\n\nContents of Circular queue are : \n"); if(front