# **Final Exam**

Q1.

public class Que {

static private int queu[];

static private int front,rear,capacity;

Que(int c){

front = 0 ;

rear = 0 ;

capacity = c;

queu = new int[capacity];

}

static void addEQ(int data) {

if(capacity == rear) {

System.out.println("My queue is full");

return;

}else {

queu[rear]=data;

rear++;

}

return;

}

static void removeEQ() {

if(front == rear) {

System.out.println("My queue is Epmty");

return;

}

else {

for(int i = 0 ; i<rear-1;i++) {

queu[i] = queu[i+1];

}

if(rear <= capacity) {

queu[--rear] = 0;

}

}

return;

}

}