```java
public class Document {
	private String docName;
	private float  size;
	private String text;

	public Document(String docName,float size,String text) {
		this.docName = docName;
		this.size = size;
		this.text = text;
	}


	public float getSize() {
		return size;
	}

    public String getText() {
		return text;
	}

    @Override
	public String toString() {
		return "Document [docName=" + docName + ", size=" + size +
", text=" + text + "]";
	}
  }


public class Queue {
	int front,rear,size;
	int capacity;
	Document arr[];

	public Queue(int capacity)
	{
		this.capacity=capacity;
		front=this.size=0;
		rear=capacity-1;
		arr=new Document[this.capacity];
	}

	boolean isFull()
	{
		return(this.size==this.capacity);
	}
```

```
boolean isEmpty()
{
   return (this.size == 0);
}

void enqueue(Document doc)
{
      if(isFull())
      {
            return;
      }
      else
      {
            this.rear=(this.rear+1)%this.capacity;
            this.arr[this.rear]=doc;
            this.size=this.size+1;
            System.out.println(" insert document to queue  "+doc);
      }
}

Document dequue()
{
      if(isEmpty())
      {
            return null;
   }
      else
      {
            Document doc=this.arr[this.front];
            this.front=(this.front+1)%this.capacity;
            this.size=this.size-1;
            return doc;
      }
}

Document getfrontEle()
{
      if(isEmpty())
      {
            return null;
      }
      else
      {
        return this.arr[this.front];
      }
}
```

```
        Document getrearEle()
        {
          if (isEmpty()) {
                return null;
          }
          else
          {
                return this.arr[this.rear];
         }
          }

        public void print()
             {
                if (isEmpty()) {
                      System.out.println("array in empty");
                }
                else
                {
                   for(int i=front;i!=rear;i=(i+1)%capacity) {
                         System.out.println(arr[i]);
                   }
                   System.out.println(arr[rear]);
                }
             }
  }
```

```
import java.util.Scanner;



public class DocumentTest {


        public static void main(String[] args) {

                DocumentTest doct = new DocumentTest();

                Queue que = new Queue(1000);


                Scanner sc = new Scanner(System.in);
```

```
        Scanner sc1 = new Scanner(System.in);


        boolean flag=true;
while(flag)
{
         System.out.println("");
         System.out.println("select option ");
         System.out.println("1.request for print(equeue)");
         System.out.println("2.remove document(dequeue)");
         System.out.println("3.print inside queue document ");
         System.out.println("4.exit");


         int choice = sc.nextInt();


        switch(choice)
        {
          case 1:
                System.out.println("Enter file name ");
                        String name= sc1.nextLine();
                        System.out.println("Enter file size ");
                        float size =sc.nextFloat();
                        System.out.println("Enter file content ");
                        String text = sc1.nextLine();
                        Document doc = new Document(name,size,text);
                que.enqueue(doc);
```

```
                    break;

                case 2:
                        Document result=que.dequue();
                        System.out.println("Document print  : "+result);
                        break;

                case 3:
                        que.print();
                        break;

                case 4:
                         flag=false;
                         break;

                default :
                        System.out.println("Invalid choice");
                }

            }
        }

}
```