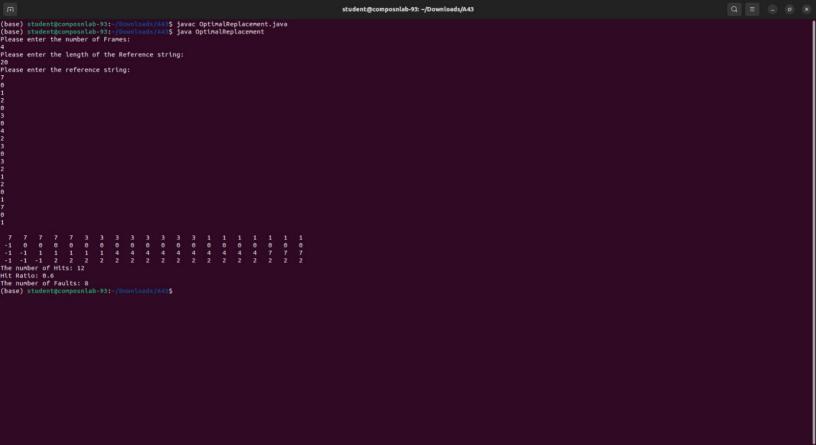
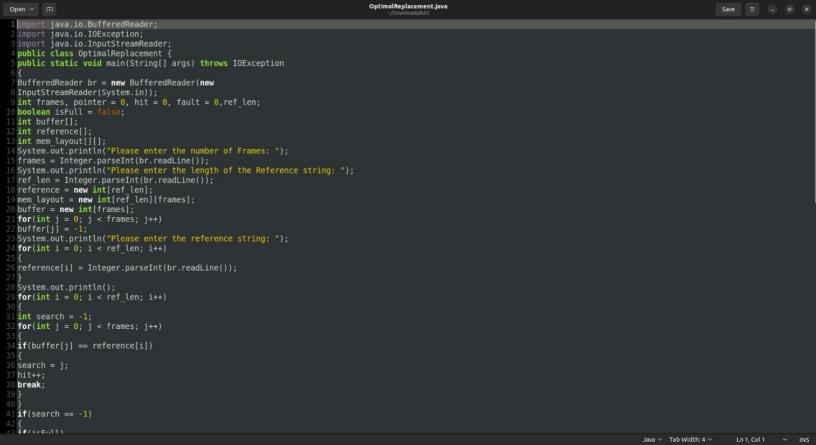


```
42 pointer++;
48 if(pointer == frames)
pointer = 0;
46 for(int j = 0; j < frames; j++)
47 mem layout[i][j] = buffer[j];
49 for(int i = 0; i < frames; i++)
for(int j = 0; j < ref len; j++)
System.out.printf("%3d ",mem layout[j][i]);
System.out.println();
55 System.out.println("The number of Hits: " + hit);
56 System.out.println("Hit Ratio: " + (float)((float)hit/ref len));
System.out.println("The number of Faults: " + fault);
58 }
```





```
if(isFull)
int index[] = new int[frames];
boolean index flag[] = new boolean[frames];
for(int j = i + 1; j < ref len; j++)
for(int k = 0; k < frames; k++)
if((reference[j] == buffer[k]) && (index flag[k] == false))
index[k] = j;
index flag[k] = true;
break;
int max = index[0];
pointer = 0:
if(max == 0)
max = 200;
for(int j = 0; j < frames; j++)
if(index[j] == 0)
index[j] = 200;
if(index[j] > max)
max = index[j];
pointer = j;
buffer[pointer] = reference[i];
fault++;
if(licFull)
                                                                                                                                         Java V Tab Width: 4 V
                                                                                                                                                             Ln 1, Col 1
```

```
if(!isFull)
pointer++;
if(pointer == frames)
pointer = 0;
isFull = true:
for(int j = 0; j < frames; j++)</pre>
mem layout[i][j] = buffer[j];
for(int i = 0; i < frames; i++)</pre>
for(int j = 0; j < ref len; j++)</pre>
System.out.printf("%3d ",mem layout[j][i]);
System.out.println();
System.out.println("The number of Hits: " + hit);
System.out.println("Hit Ratio: " + (float)((float)hit/ref len));
System.out.println("The number of Faults: " + fault);
                                                                                                                                              Java V Tab Width: 4 V
                                                                                                                                                                   Ln 1, Col 1
```

