

## Lab 8

1.

a. For each lambda expression below, name the parameters and the free variables:

i. `Runnable r = () →`

```
{  
    int[][] products = new int[s][t];  
    for (int i = 0; i < s; i++) {  
        for(int j = i + 1; j < t; j++) {  
            products[i][j] = i * j;  
        }  
    }  
}
```

- **Parameters:** None.
- **Free variables:** s, t

ii. `Comparator<String> comp = (s, t) →`

```
{  
    if(ignoreCase == true) {  
        return s.compareToIgnoreCase(t);  
    } else {  
        return s.compareTo(t);  
    }  
}
```

- **Parameters:** s, t
- **Free variables:** ignoreCase

2. If the employees have the same name but different salaries they would get an equal result using `EmployeeNameComparator`, but they won't be truly equal.