

1a.

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 (because they are not declared within lambda)

ii.

```
Comparator<String> comp = (s, t) -> {  
    if (ignoreCase == true) {  
        return s.compareToIgnoreCase(t);  
    } else {  
        return s.compareTo(t);  
    }  
};
```

- Parameters: s,t
- Free variables: ignoreCase

1b.

i. () -> Math.random()