Princeton University
COS 217: Introduction to Programming Systems
Typical SymTable Client Code

```
int i;
void *pv;

SymTable_T oSymTable;

oSymTable = SymTable_new();

pv = SymTable_put(oSymTable, "Ruth", "RF");
pv = SymTable_put(oSymTable, "Gehrig", "1B");
pv = SymTable_put(oSymTable, "Mantle", "CF");
pv = SymTable_put(oSymTable, "Jeter", "SS");

i = SymTable_getLength(oSymTable);

i = SymTable_contains(oSymTable, "Ruth");

pv = SymTable_get(oSymTable, "Ruth");

pv = SymTable_remove(oSymTable, "Ruth");

SymTable_map(oSymTable, somefunction, someextravalue);

SymTable_free(oSymTable);
```