Homework 2 Design

1. Before main
   1. Include Standard and other libraries
   2. Rewrite structs so that they work as a linked list
      1. Include a link, header and a tail in the structs
      2. Include the make sure tail points to header
      3. In struct include a next
      4. Struct that hold list of students
         1. Get rid of static array
         2. Include head and tail here
      5. Struct that holds list of courses
         1. Get rid of static array
         2. Include head and tail here
   3. Include all void statements from homework 1
2. In main
   1. Make tail and header pointers equal to NULL
   2. Put switch statement in a do while loop and set it not equal to zero so that it repeats the menu in till you quit by hitting zero.
   3. Include counters and set equal to zero
   4. Call each function in the switch statement depending on the choice given
3. Adding Student Function
   1. Use call by reference in parameter list(struct)
   2. Ask for student name and id input
   3. Store them in the struct students
      1. No limit to how many it can hold
4. Adding course function
   1. Use call by reference in parameter list(struct)
   2. Ask for course name and id
   3. Store in struct courses
      1. No limit it how many it can hold
5. Make a print student function
   1. Also call by reference
   2. Use a for loop to print out all the names with the corresponding ids
   3. Should stop when it hits the end of list
6. Make a print course function
   1. Use call by reference also
   2. Use for loop to print out all the courses with the corresponding id
   3. Stop it when it reaches the end of the list