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START PROGRAM

Menu & Choice (stdio.h)

Random Prompt (stdlib.h, time.h)

Display Prompt & Start Timer (stdio.h, time.h)

User Input (stdio.h)

Trim & Count Words (string.h, ctype.h)

Accuracy & Errors (string.h)

Compute WPM (time.h)

Display Results (stdio.h)

END
```

Header Files and Their Functions

stdio.h

- Handles input/output functions
- printf(), scanf(), fgets(), puts()
- Used for printing text & reading user input

string.h

- Functions for manipulating strings
- strlen(), strcmp(), strcpy(), strtok()
- Used in accuracy calculation & trimming input

ctype.h

- Functions for character classification
- isspace(), isalpha(), isdigit()
- Used in counting words accurately

time.h

- Time-related functions
- time(), difftime(), clock()
- Used to measure typing duration & compute WPM

stdlib.h

- Utility functions
- rand(), srand(), dynamic memory
- Used for random prompt selection