PROTOTYPE Function of get\_input(string\* s) returns void

PROTOTYPE Function of hide\_letters(const string& s, string\* s\_hidden) returns void

PROTOTYPE Function of guess\_letter(char letter, const string& s, string\* s\_hidden) returns void

int main(){

DEFINE string hidden, temp;

DEFINE char guess;

DEFINE int rem;

PRINT "Enter a secret string using only lower-case letters: ";

CALL get\_input(&temp);

DEFINE const string usr = temp;

DISPLAY 50 “\n”

CALL hide\_letters(usr, &hidden);

LOOP c in hidden:

IF c IS \*:

Rem+1;

while(rem > 0){

DISPLAY "Your string is: " + hidden;

DISPLAY"\nPlease guess a letter : ";

READ IN guess;

DISPLAY guess\_letter(guess, usr, &hidden) + " matches!\n\n";

rem -= guess\_letter(guess, usr, &hidden);

}

DISPLAY "The string is: " + usr + endl;

return 0;

}

ASSIGN void get\_input(string\* s){

READ LINE \*s

}

ASSIGN void hide\_letters(const string& s, string\* s\_hidden){

LOOP c IN hidden:

IF c != “ “:

APPEND “ “ IN \*s\_hidden

ELSE:

APPEND “\*” IN \*s\_hidden

}

ASSIGN int guess\_letter(char letter, const string& s, string\* s\_hidden){

DECLARE int count = 0;

LOOP c IN s:

IF letter == c:

Count++

POS AT hidden GETS UPDATED FROM THE SAME POS OF s

RETURN count;

}