Your name: Example Design   Date: _____

Problem: A2, MS2

Problem description:

Repeat Monty Hall game
(as many times as user wants)

Keep track of games played, games won
Print stats about games played, won

Input name	Description	Data type
play_again	Does user want to play again? (0 = no, 1 = yes)	int

Output data:	Output form:	Data type:
games_played	printed	int
games_won	printed	int
win_percent	printed	double

initialize games played, won to $\underline{\underline{0}}$ *

play games, keep track of games
played / won *

print stats *

Control flow sketch:

```
games_played = 0
games_won = 0
while (user wants to keep
                    playing    ){
```

play one game (MS1)

```
    games_played ++
    if ( player won game ){
        games_won ++
    }
    prompt user to find out whether
        they want to play again
}
compute win %
print stats
```

Similar problems: