EE 1910

Dr. Johnson

Homework 4

1 – Choose the best type of variable for each of the following and select a meaningful name and write a declaration for each.
(bool, char, int, float, float complex)
50pts

of cars in MSOE garage

no partial cars

average temperature in March

32.5

indicates the garage is full or not

T or F

rectangular coordinates on the complex unit circle

1.414 + 1.414*I

middle initial

int num_cars;

float temp_ave;

bool garage_full;

float complex coord;

char middle_initial;

2 – Choose the best type of variable for each of the following, select a meaningful name and write a declaration for each.

50 pts

number of students at MSOE

distance from earth to moon

of skittles in a small bag

net number of students leaving the CC building in a 10 minute time period + or -. < 65535

age difference between two siblings

uint16_t stud_cnt;

uint32_t earth_moon;

uint8_t num_skittles;

int16_t students_out;

int8_t age_diff_sib;