HW09

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Q1.

1)

Char\* format\_name(char\* fname, char\* mname, char\* ffname, char gender){

Char\* result = NULL;

if(gender == ‘m’){

result = (char\*)malloc(sizeof(char)\*(strlen(fname)+strnlen(ffname)+7));

sprintf(result, “%s %s %c. %s”, “Mr.”, fname, mname[0], ffname );

}else{

result = (char\*)malloc(sizeof(char)\*(strlen(fname)+strnlen(ffname)+8));

sprintf(result, “%s %s %c. %s”, “Mrs.”, fname, mname[0], ffname );

}

return result;

}

2)

Void split\_name(char\* name, char\* fname, char\* ffname, char\* gender){

char \*m, null;

sscanf(name, “%s %s &c %s”, m, fname, &null, ffname);

if(m[2] == ‘.’)

\*gender = ‘m’;

\*gender = ‘f’;

}

Q2.

1)

a) pow(b,2)-4\*a\*c

b) (-b+sqrt(d))/ (2\*a)

c) (-b-sqrt(d))/ (2\*a)

2)

a) log(1-x)/log(1.0/2)

b) 12.26\*n