Joseph Mulray

CS 172

Homework #1

July 10, 2016

2. A

An implicit parameter is a value that is passed in by a specific variable. This differs from explicit parameter because an explicit parameter is passed by the parameter in the parenthesis of a method call.

2B

#include "English\_length.h"

#include <iostream>

#include <string>

using namespace std;

void English\_length::English\_length(){

int inches=0;

int totalInches=0;

int feet=0;

int totalFeet=0;

int yard=0;

}

int English\_length::inches() const

{

return inches;

}

int English\_length::totalInches() const

{

return totalInches;

}

int English\_length::feet() const

{

return feet;

}

int English\_length::totalFeet() const

{

return totalFeet;

}

int English\_length::yards() const

{

return yards;

}

C.

bool EnglishLength::isGreaterThan(const English\_length & L);

{

if (totalFeet > L)

{

return true;

}

else

return false;

}

void add\_inches(int amt\_to\_add)

{

totalInches += amt\_to\_add;

}

int min(const English\_length & L, English\_length &L2{

if (L>L2)

return L2;

else

return L;

}

D.

**enum ChineseZodiacSign {Rat, Ox, Tiger, Rabbit, Dragon**

**Snake, Horse, Sheep, Monkey, Rooster, Dog, Pig};**

**E.**

**string ChineseZodiacSign nextSign(ChineseZodiacSign cz)**

**{**

**switch (cs)**

**case Rat: return Ox;**

**break;**

**case Ox: return Tiger;**

**break;**

**case Tiger: return Rabbit;**

**break;**

**case Rabbit: return Dragon;**

**break;**

**case Dragon: return Snake;**

**break;**

**case Snake: return Horse;**

**break;**

**case Horse: return Sheep;**

**break;**

**case Sheep: return Monkey;**

**break;**

**case Monkey: return Rooster;**

**break;**

**case Rooster: return Dog;**

**break;**

**case Dog: return Pig;**

**break;**

**case Pig: return Rat;**

**}**