Quiz 1 – Chapters 1-6

# Multiple Choice:

1. A
2. B
3. D
4. A
5. D
6. D
7. A
8. C
9. B
10. B
11. C
12. B
13. A
14. D
15. A
16. B
17. C
18. C
19. C
20. D

# Short Answer:

1. The answers are:
2. The answer is:
3. Invalid.
4. Valid.
5. Invalid.
6. Invalid.
7. Valid.

# Problem 23.

//DayInYear.cs

using System;

namespace ITSE\_1430

{

class DayInYear {

static void Main() {

int day, month, year, inYear;

Console.Write("Enter a month: ");

month = Convert.ToInt32(Console.ReadLine()); //1

Console.Write("Enter a day: ");

day = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter a year: ");

year = Convert.ToInt32(Console.ReadLine());

inYear = dayInYear(day, month, year); //2

Console.WriteLine();

Console.WriteLine("This is the {0} day of the year.", inYear);

}

static int dayInYear(int day, int month, int year) {

int dayNumber;

dayNumber = (month - 1) \* 30 + day; //3

if (month > 2) {

dayNumber = dayNumber - ((4 \* month + 23) / 10);

if (isLeapYear(year))

dayNumber += 1; //4

}

return dayNumber;

}

static bool isLeapYear(int year)

{

return (year % 4 == 0); //5

}

}

}