1. Write a program called CheckOddEven which prints "Odd Number" if the int variable “number” is odd, or “Even Number” otherwise. The program shall always print “BYE!” before exiting.
2. Write a program called CheckPassFail which prints "PASS" if the int variable "mark" is more than or equal to 50; or prints "FAIL" otherwise. The program shall always print “DONE” before exiting.
3. Given three values representing the lengths of the three sides of a triangle, determine whether the triangle is regular (all three sides are equal), symmetric (two sides are equal), or irregular (no two sides are equal).
4. Design a class containing utilities to handle the time of the day, represented through hours, minutes, and, seconds. The class should define the following methods:
   1. methods to add and subtract two times of the day,
   2. predicates to compare two times of the day,
   3. a method to print a time of the day.

Methods of the class Time:

// constructor

public Time(int h, int m, int s)

// adds a time

public void add(Time t)

// subtracts a time

public void subtract(Time t)

// predicate to test for precedence

public boolean precedes(Time t)

// predicate to test for equality

public boolean equalTo(Time t)

// method toString

public String toString()

1. Write a program that computes the cost of a long distance call. The cost of the call is determined according to the following rate schedule:  
   1. Any call started between 8:00 Am and 6:00 PM, Monday through Friday, is billed at a rate of 4.50 per minute  
   2. Any call starting before 8:00 AM or after 6:00 PM, Monday through Friday, is billed at a rate of 4.00 per minute  
   3. Any call started on a Saturday or Sunday is charged at a rate of 2.25 per minute

The input will consist the day of the week (Mo, Tu, We, Th, Fr, Sa, Su); the time the call started, including the AM/PM designation; and the length of the call in minutes. The output will be the cost of the call. Be sure to allow the user to use either uppercase or lowercase letters or a combination of both.