

CMPE 101 - Intermediate Programming

Assignment-09

Worth 15% of the assignment mark!

Deadline: 09:00 May 16

In your assignment, explain your code with *comments*. Without *comments*, your assignment will not be marked. All class and method names must be used according to OOP concept. You may use Eclipse to do this project

Problem

Write a class that uses following abstract class and implements all interface. Then Write a **Test** class and test all method that can be accessed in the **Test** class.

```
public interface IntA{
    // Just prints the "Hello message to the console"
    public void sayHello();
}

abstract class Foo implements IntA {
    public void about(){

        System.out.println("This is an abstract class");
    }

    abstract public boolean isPrime(int n); // Tests if a numbers is prime or not
} // end of the abstract class
```

```
class Person(){
    private String name;
    private int age;
    private boolean male;
    public Person(String name, int age, boolean male){
        this.age=age;
        this.name=name;
        this.male=male;
    }

    // complete this class with related getters,
    //setters and the "toString()" methods
}

public interface IntB {

    // Information if a person is "male" or "female"
    public boolean isMale(Person p);

    // Print person if they younger than age of "n"
    public String nameofYoungPeople(Persons []person, int n)
}

public interface IntC {
    // prints all Information of a list person
    public void printPersonList(Person []people);
}

public interface IntD {
    // returns the biggest number among them
    public int maxNumber(int a, int b, int c);
}
// Now implement the following classes:

class Assignment09 extends Foo implements IntB, IntC, IntD {

}

class Test {

}
```