REMIDI QUIZ 1

Mata Kuliah : Pemrograman Berbasis Object

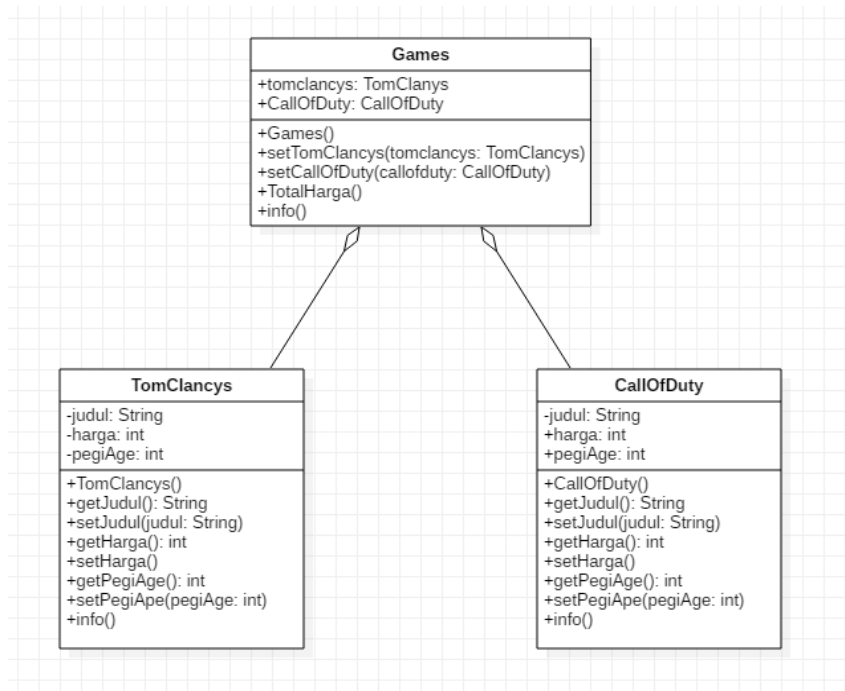Dosen Pengampu : Dian Hanifudin Subhi, S.Kom., M.Kom.

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PROGRAM STUDI D4 TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
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SOAL

1.) Kerjakanlah studi kasus seperti diagram diatas ini , kemudian implementasikan ke dalam program! Dan harus menggunakan relasi relasi pada class tersebut

JAWABAN

Class TomClancys.java

```
public class TomClancys {

    private String judul ;
    private int harga ;
    private int pegiAge ;

    public TomClancys() {

    }

    public String getJudul() {
        return judul ;
    }

    public void setJudul(String judul) {
        this.judul= judul ;
        setHarga() ;
    }

    public int getHarga() {
        return harga ;
```

```java
    }

    public void setHarga() {
        if(this.judul.equalsIgnoreCase("Tom Clancy's The Division")){
            this.harga = 600000 ;
        } else if(this.judul.equalsIgnoreCase("Tom Clancy's Rainbow Six
Siege")){
            this.harga = 595000 ;
        } else if(this.judul.equalsIgnoreCase("Tom Clancy's Splinter
Cell")){
            this.harga = 120000 ;
        } else {
            this.harga = 0 ;
        }
    }

    public int getPegiAge() {
        return pegiAge ;
    }

    public void setPegiAge(int pegiAge) {
        this.pegiAge = pegiAge ;
    }

    public String info () {
        String info = "" ;
        info += "Judul Tom Clancy's = "  + getJudul() +"\n" ;
        info += "PG Age pada game = "  + getPegiAge() +"\n" ;
        info += "Harganya = "  + getHarga() +"\n" ;

        return info ;
    }

}
```

Class CallOfDuty.java

```java
public class CallOfDuty {

    private String judul ;
    private int harga ;
    private int pegiAge ;

    public CallOfDuty() {
    }

    public String getJudul() {
        return judul ;
    }

    public void setJudul(String judul) {
        this.judul = judul ;
        setHarga () ;
    }

    public int getHarga() {
```

```java
            return harga ;
        }

        public void setHarga() {
            if(this.judul.equalsIgnoreCase("Call Of Duty Black Ops 4")){
                this.harga = 680000 ;
            } else if(this.judul.equalsIgnoreCase("Call Of Duty Advanced
Warfare")){
                this.harga = 455000 ;
            } else if(this.judul.equalsIgnoreCase("Call Of Duty Ghost")){
                this.harga = 180000 ;
            } else {
                this.harga = 0 ;
            }
        }

        public int getPegiAge() {
            return pegiAge;
        }

        public void setPegiAge(int pegiAge) {
            this.pegiAge = pegiAge;
        }

        public String info () {
            String info = "" ;
            info += "Judul Call Of Duty = "  + getJudul() +"\n" ;
            info += "PG Age pada game = "  + getPegiAge() +"\n" ;
            info += "Harganya = "  + getHarga() +"\n" ;

            return info ;
        }
}
```

Class Games.java

```java
public class Games {

    private TomClancys tomclancys ;
    private CallOfDuty callofduty ;

    public Games() {
    }

    public void setTomclancys(TomClancys tomclancys) {
        this.tomclancys = tomclancys ;
    }

    public void setCallofduty(CallOfDuty callofduty) {
        this.callofduty = callofduty ;
    }

    public int TotalHarga() {
        int total = this.tomclancys.getHarga() + this.callofduty.getHarga()
;
```

```
        return total ;
    }

    public void info () {
        String info = "" ;
        System.out.println("Tom Clancys Info : " + this.tomclancys.info())
;
        System.out.println("Call Of Duty Info : " + this.callofduty.info())
;
        System.out.println("Total harga gamenya : " + TotalHarga()) ;
    }

}
```

Class Main.java

```java
import java.util.Scanner ;
public class Main {

    static Scanner gc = new Scanner (System.in) ;
    public static void main (String [] args) {

        TomClancys tc = new TomClancys() ;
        tc.setPegiAge(18) ;
            System.out.println("1.) Tom Clancy's The Division") ;
            System.out.println("2.) Tom Clancy's Rainbow Six Siege") ;
            System.out.println("3.) Tom Clancy's Splinter Cell") ;
            System.out.print("Pilihan") ;
            int aaa = gc.nextInt() ;
            if (aaa == 1) {
                tc.setJudul ("Tom Clancy's The Division") ;
            } else if (aaa == 2) {
                tc.setJudul ("Tom Clancy's Rainbow Six Siege") ;
            } else if (aaa == 3) {
                tc.setJudul ("Tom Clancy's Splinter Cell") ;
            } else {
                tc.setJudul (" ") ;
            }



        CallOfDuty cod = new CallOfDuty() ;
        cod.setPegiAge(12) ;
            System.out.println("1.) Call Of Duty Black Ops 4") ;
            System.out.println("2.) Call Of Duty Advanced Warfare") ;
            System.out.println("3.) Call Of Duty Ghost") ;
            System.out.print("Pilihan : ") ;
            int bbb = gc.nextInt() ;
            if (bbb == 1) {
                cod.setJudul ("Call Of Duty Black Ops4") ;
            } else if (bbb == 2) {
                cod.setJudul ("Call Of Duty Advanced Warfare") ;
            } else if (bbb == 3) {
                cod.setJudul ("Call Of Duty Ghost") ;
```

```
        }else {
            cod.setJudul(" ") ;
        }

        Games G = new Games () ;
        G.setTomclancys(tc) ;
        G.setCallofduty(cod) ;

        G.info () ;

    }

}
```
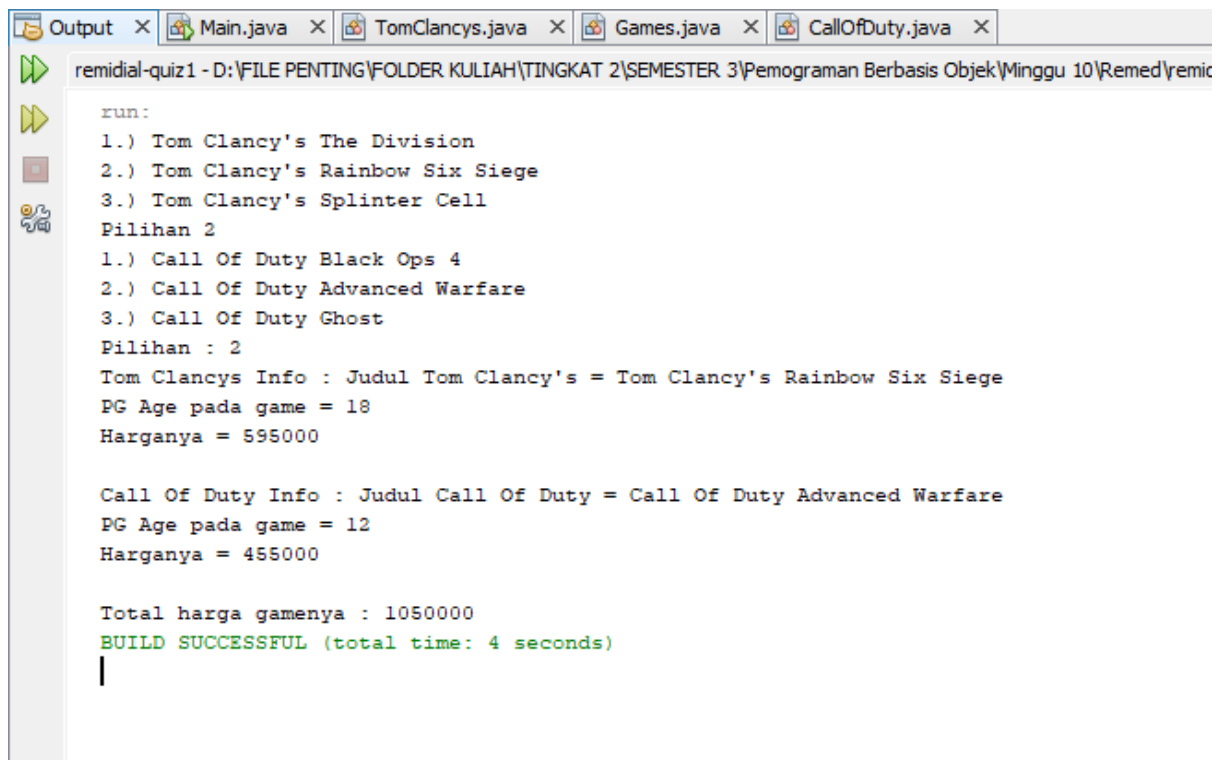
Output :

```
run:
1.) Tom Clancy's The Division
2.) Tom Clancy's Rainbow Six Siege
3.) Tom Clancy's Splinter Cell
Pilihan 2
1.) Call Of Duty Black Ops 4
2.) Call Of Duty Advanced Warfare
3.) Call Of Duty Ghost
Pilihan : 2
Tom Clancys Info : Judul Tom Clancy's = Tom Clancy's Rainbow Six Siege
PG Age pada game = 18
Harganya = 595000

Call Of Duty Info : Judul Call Of Duty = Call Of Duty Advanced Warfare
PG Age pada game = 12
Harganya = 455000

Total harga gamenya : 1050000
BUILD SUCCESSFUL (total time: 4 seconds)
```

Diagram Class :

Games

+tomclancys: TomClanys
+CallOfDuty: CallOfDuty

+Games()
+setTomClancys(tomclancys: TomClancys)
+setCallOfDuty(callofduty: CallOfDuty)
+TotalHarga()
+info()

TomClancys

-judul: String
-harga: int
-pegiAge: int

+TomClancys()
+getJudul(): String
+setJudul(judul: String)
+getHarga(): int
+setHarga()
+getPegiAge(): int
+setPegiApe(pegiAge: int)
+info()

CallOfDuty

-judul: String
+harga: int
+pegiAge: int

+CallOfDuty()
+getJudul(): String
+setJudul(judul: String)
+getHarga(): int
+setHarga()
+getPegiAge(): int
+setPegiApe(pegiAge: int)
+info()