```javascript
function Genre(name) {
    this.name = name

    this.getData = function () {
        return "Genre:" + name
    }
}


function Movie(title, length, genre) {
    this.title = title
    this.length = parseInt(length)
    this.genre = genre

    this.getData = function () {
        return this.title + " | " + this.genre.getData()
    }
}


function Program(date) {
    this.date = new Date(date)
    this.listOfMovies = []

    this.addMovie = function (movie) {
        if (movie instanceof Movie) {
            this.listOfMovies.push(movie)
        }
    }

    this.getProgramLength = function () {
        var totalLength = 0
        for (var i = 0; i < this.listOfMovies.length; i++) {
            var movie = this.listOfMovies[i]
            totalLength += movie.length
        }

        return totalLength
    }

    this.getData = function () {
        var output = date + ', ' + this.getProgramLength() + "min\n"
        for (var i = 0; i < this.listOfMovies.length; i++) {
            var movie = this.listOfMovies[i]
            output += movie.getData() + "\n"
        }
    }
```

```javascript
        return output
    }
}

function Festival(name) {
    this.name = name
    this.listOfPrograms = []
    this.totalMovies = 0

    this.addProgram = function (program) { // instanceof type Program

        if (program instanceof Program) {
            this.totalMovies += program.listOfMovies.length
            this.listOfPrograms.push(program)

        } else {
            console.log("Not instance of program");
        }
    }

    this.getFestData = function () {
        var output = this.name + ' has ' + this.totalMovies + ' movie titles\n'
        for (var i = 0; i < this.listOfPrograms.length; i++) {
            var program = this.listOfPrograms[i]
            output += program.getData() + "\n"
            console.log('--------');
        }

        return output
    }
}


var nyFest = new Festival("NewYear Fest")
var nyProgramDay1 = new Program("01-01-2020")
var nyProgramDay2 = new Program("01-02-2020")

var drama = new Genre('Drama')
var comedy = new Genre('Comedy')

var batman = new Movie("Batman forever", '123', drama)
var titanik = new Movie("Titanik", '210', drama)
var homeAlone = new Movie("Home Alone", '120', comedy)
```

```javascript
nyProgramDay1.addMovie(titanik)
nyProgramDay1.addMovie(batman)
nyProgramDay1.addMovie(homeAlone)

nyProgramDay2.addMovie(batman)
nyProgramDay2.addMovie(titanik)
// console.log(nyProgramDay1.getData());

nyFest.addProgram(nyProgramDay1)
nyFest.addProgram(nyProgramDay2)

console.log("--------------");
console.log(nyFest.getFestData());
```