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## **JURNAL MODUL 9**

### **KONSTRUKSI PERANGKAT LUNAK**

Hasil Run

GET /api/Movies  
Menampilkan daftar semua film.

POST /api/Movies  
Menambahkan film baru.

GET /api/Movies/3  
Menampilkan detail film di indeks ke-3.

DELETE /api/Movies/1  
Menghapus film di indeks ke-1.

GET /api/Movies  
Memastikan film di indeks ke-1 telah dihapus.

✓ Kode Program

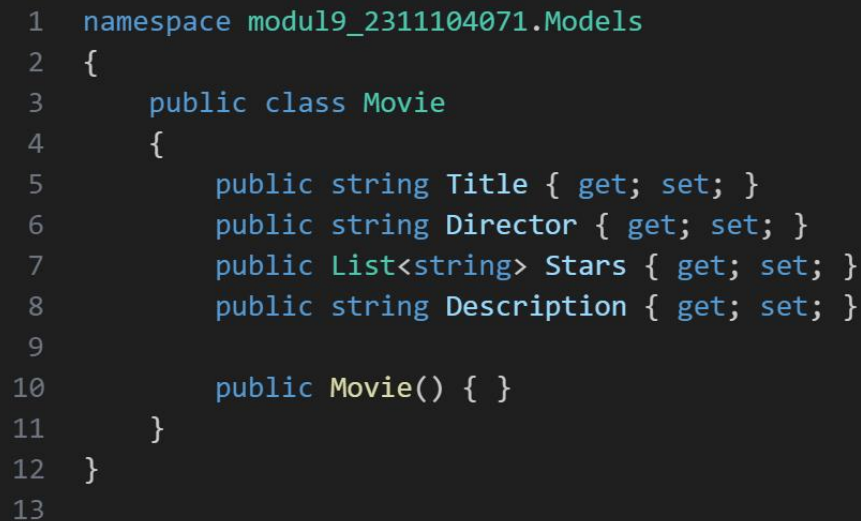
1. MoviesController.cs

```

1  using Microsoft.AspNetCore.Mvc;
2  using modul9_2311104071.Models;
3
4  namespace modul9_2311104071.Controllers
5  {
6      [ApiController]
7      [Route("api/[controller]")]
8      public class MoviesController : ControllerBase
9      {
10         private static List<Movie> movies = new List<Movie>
11         {
12             new Movie
13             {
14                 Title = "The Shawshank Redemption",
15                 Director = "Frank Darabont",
16                 Stars = new List<string> { "Tim Robbins", "Morgan Freeman" },
17                 Description = "Two imprisoned men bond over a number of years..."
18             },
19             new Movie
20             {
21                 Title = "The Godfather",
22                 Director = "Francis Ford Coppola",
23                 Stars = new List<string> { "Marlon Brando", "Al Pacino" },
24                 Description = "The aging patriarch of an organized crime dynasty..."
25             },
26             new Movie
27             {
28                 Title = "The Dark Knight",
29                 Director = "Christopher Nolan",
30                 Stars = new List<string> { "Christian Bale", "Heath Ledger" },
31                 Description = "When the menace known as the Joker wreaks havoc..."
32             }
33         };
34
35         [HttpGet]
36         public ActionResult<IEnumerable<Movie>> GetAllMovies()
37         {
38             return Ok(movies);
39         }
40
41         [HttpGet("{id}")]
42         public ActionResult<Movie> GetMovieById(int id)
43         {
44             if (id < 0 || id >= movies.Count)
45                 return NotFound("Movie not found.");
46             return Ok(movies[id]);
47         }
48
49         [HttpPost]
50         public ActionResult AddMovie([FromBody] Movie newMovie)
51         {
52             movies.Add(newMovie);
53             return Ok("Movie added.");
54         }
55
56         [HttpDelete("{id}")]
57         public ActionResult DeleteMovie(int id)
58         {
59             if (id < 0 || id >= movies.Count)
60                 return NotFound("Movie not found.");
61             movies.RemoveAt(id);
62             return Ok("Movie deleted.");
63         }
64     }
65 }
66

```

## 2. Movie.cs



```
1 namespace modul9_2311104071.Models
2 {
3     public class Movie
4     {
5         public string Title { get; set; }
6         public string Director { get; set; }
7         public List<string> Stars { get; set; }
8         public string Description { get; set; }
9
10        public Movie() { }
11    }
12 }
13
```

## 1. MoviesController.cs

Menggunakan ASP.NET Core Web API.

Menyediakan endpoint:

GET /api/movies – Menampilkan seluruh data film.

GET /api/movies/{id} – Menampilkan data film berdasarkan ID.

POST /api/movies – Menambahkan data film.

DELETE /api/movies/{id} – Menghapus film berdasarkan ID.

## 2. Movie.cs

Class model dengan properti:

Title, Director, Stars (list), dan Description.