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ASP.NET Web API query string parameters

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In this video we will discuss using **query string parameters in ASP.NET Web API**.

Let us understand query string parameters in ASP.NET Web API with an example.

We want to modify the following **Get()** method in **EmployeesController** so that we can retrieve employees by gender

```
public class EmployeesController : ApiController
{
    public IEnumerable<Employee> Get()
    {
        using (EmployeeDBEntities entities = new EmployeeDBEntities())
        {
            return entities.Employees.ToList();
        }
    }
}
```

Depending on the value we specify for query string parameter gender, the **Get()** method should return the data.

Query String	Data
http://localhost/api/employees?gender=All	All Employees
http://localhost/api/employees?gender=Male	Only Male Employees
http://localhost/api/employees?gender=Female	Only Female Employees

If the value for gender is not Male, Female or All, then the service should return status code **400 Bad Request**. For example, if we specify **ABC** as the value for gender, then the service should return status code **400 Bad Request** with the following message.

Value for gender must be Male, Female or All. ABC is invalid.

Below is the modified **Get()** method

1. Gender is being passed as a parameter to the **Get()** method
2. Default value is "All". The default value makes the parameter optional
3. The gender parameter of the **Get()** method is mapped to the gender parameter sent in the query string

```
public HttpResponseMessage Get(string gender = "All")
```

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