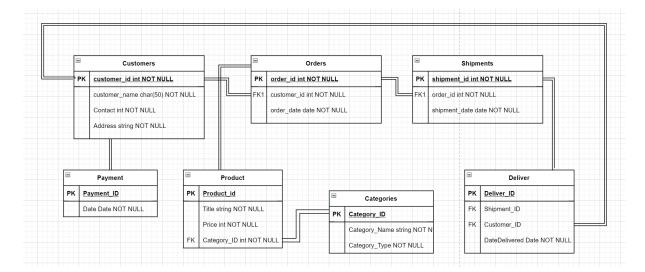
```
Oppgave 4
4.1
 1
        SELECT * FROM mydb.person
 2
        WHERE ZipCode = 5006
4.2
 1 •
        SELECT *
 2
        FROM mydb.person
        WHERE datediff(now(), BirthDate) / 365.25 >= 40
 3
4.3
        SELECT CONCAT(Lastname, " ", Firstname, " ", ZipCode)
 1 •
 2
        FROM mydb.person
4.4
  1 •
       SELECT avg(datediff(now(), Birthdate)) /365 as AverageInYears, MAX(BirthDate) as Max, MIN(BirthDate) as Mi
       FROM mydb.person p
     INNER JOIN mydb.location 1
       ON p.ZipCode = 1.ZipCode
       GROUP BY 1.Location
4.5
  1
           SELECT location.ZipCode, location.Location
           FROM location
  2
           LEFT JOIN person ON location.ZipCode = person.ZipCode
  3
  4
           WHERE person.person ID IS NULL;
4.6
       add name ="DBConnection" connectionString="server=localhost;user id=root;persistsecurityinfo=True;database=mydb"
          providerName ="System.Data.SqlClient",
         public int PersonID;
         public string Firstname;
         public string Lastname;
         public string Address;
         public string ZipCode;
         public DateTime BirthDate;
```

```
[WebMethod]
[ScriptMethod(ResponseFormat = ResponseFormat.Json, UseHttpGet = true)]
public void getAllUsers()
    All_users[] getStu = null;
         using (SqlConnection connection = new SqlConnection(DBConnect.ConnectionString))
              SqlDataAdapter sda = new SqlDataAdapter("SELECT * FROM mydb.person", connection);
              sda.SelectCommand.CommandType = CommandType.Text;
              DataTable datatable = new DataTable();
              sda.Fill(datatable);
              getStu = new All_users[datatable.Rows.Count];
              for (int i = 0; i <datatable.Rows.Count; i++){</pre>
                   getStu[Count] = new All_users();
                   getStu[Count].PersonID = Convert.ToInt32(datatable.Rows[i]["PersonID"]);
                   getStu[Count].Firstname = Convert.ToString(datatable.Rows[i]["Firstname"])
getStu[Count].Lastname = Convert.ToString(datatable.Rows[i]["Lastname"]);
getStu[Count].Address = Convert.ToString(datatable.Rows[i]["Address"]);
getStu[Count].ZipCode = Convert.ToString(datatable.Rows[i]["ZipCode"]);
                   getStu[Count].BirthDate = Convert.ToDateTime(datatable.Rows[i]["BirthDate"]);
              datatable.Clear();
              connection.Close();
       catch(Exception ex)
         var JSonData = new
              getStu = getStu
         HttpContext.Current.Response.Write(ser.Serialize(JSonData));
```



## Oppgave 5.a

```
public class PersonEntities
    [Required]
    1 reference
    public int personID{ get; set; }
    [Required]
    1 reference
    public string Firstname{ get; set; }
    [Required]
    1 reference
    public string Lastname { get; set; }
    [Required]
    1 reference
    public string Address { get; set; }
    [Required]
    1 reference
    public string ZipCode { get; set; }
    0 references
    public DateTime BirthDate { get; set; }
```

```
Omodel WebApplication3.Models.PersonEntities
@{
    ViewData["Title"] = "Create Person";
<h2>Create</h2>
<h4>Employees</h4>
<form asp-action="Create" class="form-horizontal">
    <div asp-validation-summary="ModelOnly" class="text-danger"></div>
    <div class="form-group">
        <label class="control-label">personID</label>
        <input asp-for="personID" class="form-control" />
        <span asp-validation-for="persnoID" class="text-danger"></span>
    </div>
    <div class="form-group">
        <label class="control-label">Firstnam</label>
        <input asp-for="Firstname" class="form-control" />
        <span asp-validation-for="Firstname" class="text-danger"></span>
    </div>
    <div class="form-group">
        <label class="control-label">Lastname</label>
        <input asp-for="Lastname" class="form-control" />
        <span asp-validation-for="Lastname" class="text-danger"></span>
    </div>
    <div class="form-group">
        <label class="control-label">Address</label>
        <input asp-for="Address" class="form-control" />
        <span asp-validation-for="Address" class="text-danger"></span>
    </div>
    <div class="form-group">
        <label class="control-label">ZipCode</label>
        <input asp-for="ZipCode" class="form-control" />
        <span asp-validation-for="ZipCode" class="text-danger"></span>
    </div>
    <div class="form-group">
        <label class="control-label">BirthDate</label>
        <input asp-for="BirthDate" class="form-control" />
        <span asp-validation-for="BirthDate" class="text-danger"></span>
    </div>
    <div class="form-group">
        <input type="submit" value="Submit" class="btn bg-primary" />
    </div>
</form>
@{
    if (@TempData["Msg"] != null)
        <script>
            alert('@TempData["msg"]')
        </script>
```

## Oppgave 5b

```
| December | Construction | Construc
```

```
MySqlDataReader reader = command.ExecuteReader();
var wsl = new List<Person>();
if (reader.Read())
{
    var ws = new Person();
    ws.personID = reader.GetInt32("personID");
    ws.Firstname = reader.GetString("Firstname");
    ws.Lastname = reader.GetString("Lastname");
    ws.Address = reader.GetString("Address");
    ws.BirthDate = reader.GetDateTime("BirthDate");
    wsl.Add(ws);
}

cnn.Close();
Console.WriteLine(wsl);
return wsl;
}
```