Question 1

Employees

EmployeeNumber int

FirstName nvarchar(50)

LastName nvarchar(50)

JobTitle nvarchar(50)

FK\_ Courses assignments\_

Courses

CourseNumber nchar(10)

CourseTitle nvarchar(50)

TotalHour int

FK\_ Courses assignments\_Courses

Users

UserId int

Password nvarchar(50)

FK\_ Courses assignments\_Employees

Groups

GroupNumber int

Description nvarchar(50)

Courses assignments \_Groups

Courses assignments

AssignId int

EmployeeNumber int

CourseNumber nchar(10)

GroupNumber int

Chart, diagram

Description automatically generated

**Question 2**

**MVC core**

**Database first then code later**

1. **Creating the database**
2. **New project mvc core**
3. **Adding the database in sql object explorer**
4. **Installing the nuget packages**
5. **Creating the model**
6. **Creating the controllers**

**Question 4**

**Graphical user interface, application, Word

Description automatically generated**

**Graphical user interface

Description automatically generated with low confidence**

**Graphical user interface, text, application, email

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Graphical user interface, text, email

Description automatically generated**