Q1)

Student (Student_id , program_id , Surname , GivenNames , Date_of_Birth , YearEnrolled)) *Assuming "Givennames" is not multivalued.*
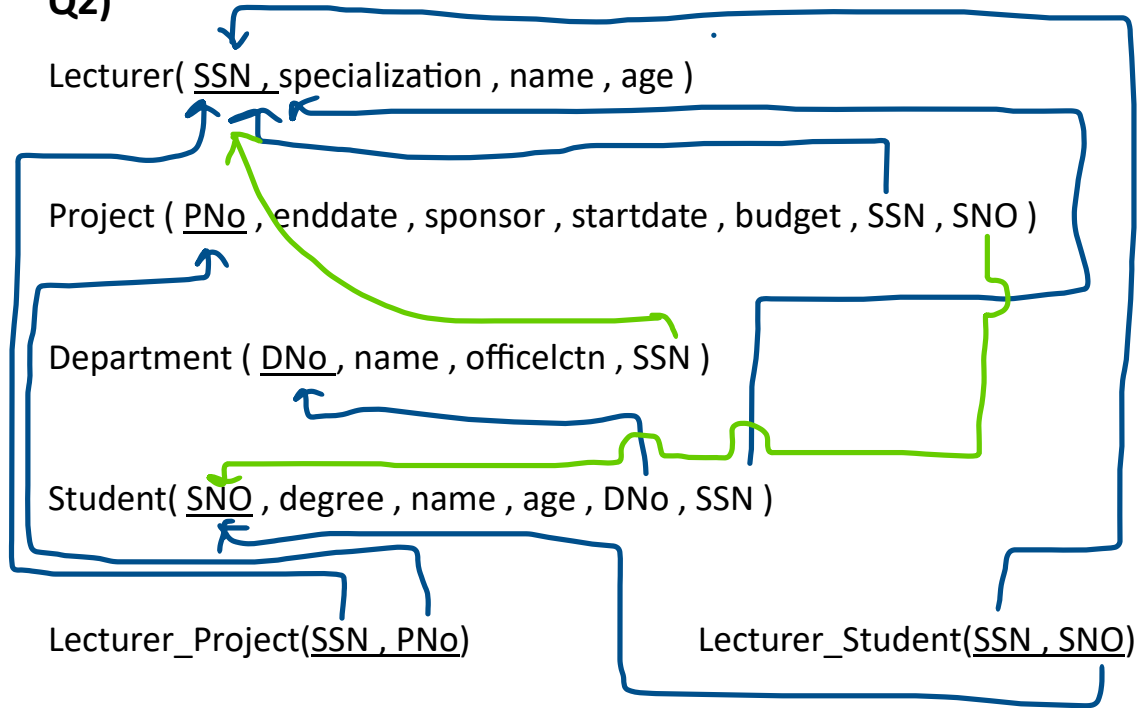
Program (program_ID , Name , CreditPoints , YearCommenced)

Course (Name,course_ID , program_ID , CreditPoints ,YearCommenced ,Year ,semester) *Year & semester are attributes of the "contains" relationship.*

StudentCourse (Student_ID , course_ID , program_ID , Year , Semester , Mark , grade)
Year , Semester , Mark & grade are attributes of "Attempts" relationship.

Q2)

Lecturer(SSN , specialization , name , age)

Project (PNo , enddate , sponsor , startdate , budget , SSN , SNO)

Department (DNo , name , officelctn , SSN)

Student(SNO , degree , name , age , DNo , SSN)

Lecturer_Project(SSN , PNo)   Lecturer_Student(SSN , SNO)

Q3)

Bank (Name , <u>Code</u> , Address)

Branch (<u>Branch_id , Code</u> , Name , Address)   *Assumption: Branch is a weak entity since it has a partial key.*

Bank_Branch (Code , Branch_id)   *Assumption: One bank has many branches.*

Loan (<u>Loan_id , Loan_type</u> , Branch_id , Amount)

Account (<u>Account_No</u> , Acc_type , Branch_id , Balance)

Customer(<u>Custid</u> , Name , Phone , Address

Customer_Loan (<u>Loan_id , Loan_type , Custid</u>)

Customer_Account (<u>Custid , Account_No</u>)