**Club:**

CREATE TABLE "HAZAL"."CLUB"

( "CLUB\_ID" NUMBER(\*,0),

"CLUB\_NAME" VARCHAR2(100 BYTE) NOT NULL ENABLE,

"STUDENT\_ID" NUMBER(\*,0),

PRIMARY KEY ("CLUB\_ID")

FOREIGN KEY ("STUDENT\_ID")

REFERENCES "HAZAL"."STUDENT" ("STUDENT\_ID") ENABLE

);

INSERT INTO CLUB (CLU\_ID, CLUB\_NAME, STUDENT\_ID) VALUES

(1, 'Bilgisayar Kulübü', '10020030001’),

(2, 'Satranç Kulübü', '10020030002'),

(3, 'Müzik Kulübü', '10020030003'),

(4, 'Fotoğrafçılık Kulübü', '10020030005'),

(5, 'Tiyatro Kulübü', '10020030004'),cou

**Course:**

CREATE TABLE "HAZAL"."COURSE"

( "COURSE\_ID" VARCHAR2(10 BYTE),

"COURSE\_NAME" VARCHAR2(100 BYTE) NOT NULL ENABLE,

"CREDITPOINTS" NUMBER(\*,0) NOT NULL ENABLE,

PRIMARY KEY ("COURSE\_ID")

);

INSERT INTO COURSE (COURSE\_ID, COURSE\_NAME, CREDITPOINTS) VALUES

('CMPE301', 'Mikroişlemciler', 6),

('ISE302', 'Kalite Kontrol', 5),

('MATH303', 'Diferansiyel Denklemler', 8),

('PHYS304', 'Termodinamik', 6),

('CHEM305', 'Fizikokimya', 7),

**Department:**

CREATE TABLE "HAZAL"."DEPARTMENT"

( "DEPARTMENT\_ID" NUMBER(\*,0),

"DEPARTMENT\_NAME" VARCHAR2(10 BYTE) NOT NULL ENABLE,

PRIMARY KEY ("DEPARTMENT\_ID")

) ;

insert into department values (5,'EE');

insert into department values (4,'MECE');

insert into department values (3,'SE');

insert into department values (2,'CMPE');

insert into department values (1,'ISE');

**Enroll:**

CREATE TABLE "HAZAL"."ENROLL"

( "STUDENT\_ID" NUMBER,

"COURSE\_ID" VARCHAR2(10 BYTE),

"MARK" NUMBER NOT NULL ENABLE,

"GRADE" VARCHAR2(20 BYTE) NOT NULL ENABLE,

PRIMARY KEY ("STUDENT\_ID", "COURSE\_ID")

FOREIGN KEY ("STUDENT\_ID")

REFERENCES "HAZAL"."STUDENT" ("STUDENT\_ID") ENABLE,

FOREIGN KEY ("COURSE\_ID")

REFERENCES "HAZAL"."COURSE" ("COURSE\_ID") ENABLE

) ;

**Instructor:**

CREATE TABLE "HAZAL"."INSTRUCTOR"

( "INSTRUCTOR\_ID" NUMBER(\*,0),

"INSTRUCTOR\_NAME" VARCHAR2(100 BYTE) NOT NULL ENABLE,

"INSTRUCTOR\_SURNAME" VARCHAR2(100 BYTE) NOT NULL ENABLE,

"INSTRUCTOR\_MAIL" VARCHAR2(100 BYTE) NOT NULL ENABLE,

"INSTRUCTOR\_PHONE" VARCHAR2(15 BYTE),

"DEPARTMENT\_ID" NUMBER NOT NULL ENABLE,

PRIMARY KEY ("INSTRUCTOR\_ID")

);

INSERT INTO INSTRUCTOR (INSTRUCTOR\_ID, INSTRUCTOR\_NAME, INSTRUCTOR\_SURNAME, INSTRUCTOR\_MAIL, INSTRUCTOR\_PHONE, DEPARTMENT\_ID) VALUES

(1, 'Ahmet', 'Yıldırım', 'yildirim\_ahmet@atilim.edu.tr', '05422560001', 5),

(2, 'Ayşe', 'Koç', 'koc\_ayse@atilim.edu.tr', '05422560002', 3),

(3, 'Mehmet', 'Demir', 'demir\_mehmet@atilim.edu.tr', '05422560003', 7),

(4, 'Fatma', 'Aydın', 'aydin\_fatma@atilim.edu.tr', '05422560004', 2),

(5, 'Mustafa', 'Şahin', 'sahin\_mustafa@atilim.edu.tr', '05422560005', 5),

(7, 'Ali', 'Çelik', 'celik\_ali@atilim.edu.tr', '05422560007', 4),

(9, 'Emre', 'Arslan', 'arslan\_emre@atilim.edu.tr', '05422560009', 1),

**Lecture:**

CREATE TABLE "HAZAL"."LECTURE"

( "INSTRUCTOR\_ID" NUMBER,

"COURSE\_ID" VARCHAR2(10 BYTE),

"SEMESTER" VARCHAR2(10 BYTE),

"YEAR" NUMBER,

PRIMARY KEY ("INSTRUCTOR\_ID", "COURSE\_ID")

FOREIGN KEY ("INSTRUCTOR\_ID")

REFERENCES "HAZAL"."INSTRUCTOR" ("INSTRUCTOR\_ID") ENABLE,

FOREIGN KEY ("COURSE\_ID")

REFERENCES "HAZAL"."COURSE" ("COURSE\_ID") ENABLE );

INSERT INTO LECTURE VALUES (1,'CMPE301', '23-24FALL', 2023);

INSERT INTO LECTURE VALUES (2,'ISE302', '23-24FALL', 2023);

INSERT INTO LECTURE VALUES (3,'MATH303', '23-24FALL', 2023);

INSERT INTO LECTURE VALUES (4,'PHYS304', '23-24FALL', 2023);

INSERT INTO LECTURE VALUES (5,'CHEM305', '23-24FALL', 2023);

INSERT INTO LECTURE VALUES (3,'BUS310', '23-24FALL', 2023);

INSERT INTO LECTURE VALUES (5,'PSYC311', '23-24FALL', 2023);

**Member\_club:**

CREATE TABLE "HAZAL"."MEMBER\_CLUB"

( "STUDENT\_ID" NUMBER,

"CLUB\_ID" NUMBER,

PRIMARY KEY ("STUDENT\_ID", "CLUB\_ID")

FOREIGN KEY ("STUDENT\_ID")

REFERENCES "HAZAL"."STUDENT" ("STUDENT\_ID") ENABLE,

FOREIGN KEY ("CLUB\_ID")

REFERENCES "HAZAL"."CLUB" ("CLUB\_ID") ENABLE

);

**Participate\_project**:

CREATE TABLE "HAZAL"."PARTICIPATE\_PROJECTS"

( "STUDENT\_ID" NUMBER,

"PROJECT\_ID" VARCHAR2(10 BYTE),

PRIMARY KEY ("STUDENT\_ID", "PROJECT\_ID"),

FOREIGN KEY ("STUDENT\_ID"),

REFERENCES "HAZAL"."STUDENT" ("STUDENT\_ID") ENABLE,

FOREIGN KEY ("PROJECT\_ID"),

REFERENCES "HAZAL"."PROJECT" ("PROJECT\_ID") ENABLE

);

**Project:**

CREATE TABLE "HAZAL"."PROJECT"

( "PROJECT\_ID" VARCHAR2(10 BYTE),

"PROJECT\_NAME" VARCHAR2(50 BYTE) NOT NULL ENABLE,

"START\_DATE" DATE NOT NULL ENABLE,

"END\_DATE" DATE NOT NULL ENABLE,

"BUDGET" NUMBER(\*,0),

PRIMARY KEY ("PROJECT\_ID")

);

INSERT INTO PROJECT (PROJECT\_ID, PROJECT\_NAME, START\_DATE, END\_DATE, BUDGET) VALUES ('PROJ01', 'Eye Tracking Project', '15/02/2022', '15/08/2022', 10000);

('PROJ02', '3D Printer Development', '10/09/2021', '15/01/2022', 8000);

('PROJ03', 'Artificial Intelligence-based Automation', '05/01/2023', '05/05/2023', 12000);

('PROJ04', 'Data Analytics Applications', '20/06/2022', '30/10/2022', 9000);

('PROJ05', 'Software Security Review', '12/02/2023', '20/07/2023', 15000);

**Student:**

CREATE TABLE "HAZAL"."STUDENT"

( "STUDENT\_ID" NUMBER(\*,0),

"STU\_NAME" VARCHAR2(30 BYTE) NOT NULL ENABLE,

"STU\_SURNAME" VARCHAR2(30 BYTE) NOT NULL ENABLE,

"STU\_EMAIL" VARCHAR2(30 BYTE),

"STU\_AGE" NUMBER(\*,0),

"YEAR\_ENROLLED" NUMBER(\*,0) NOT NULL ENABLE,

"DEPARTMENT\_ID" NUMBER NOT NULL ENABLE,

PRIMARY KEY ("STUDENT\_ID")

);

**Supervise\_project:**

CREATE TABLE "HAZAL"."SUPERVISE\_PROJECT"

( "INSTRUCTOR\_ID" NUMBER,

"PROJECT\_ID" VARCHAR2(10 BYTE),

PRIMARY KEY ("INSTRUCTOR\_ID", "PROJECT\_ID"),

FOREIGN KEY ("INSTRUCTOR\_ID")

REFERENCES "HAZAL"."INSTRUCTOR" ("INSTRUCTOR\_ID") ENABLE,

FOREIGN KEY ("PROJECT\_ID")

REFERENCES "HAZAL"."PROJECT" ("PROJECT\_ID") ENABLE

);