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Lab 7

Question 1:

Add a scholarship column to Students:

```
ALTER TABLE Students
ADD scholarship INT DEFAULT 0;
```

Question 2:

Procedure:

```
DELIMITER \\  
CREATE PROCEDURE AcceptStudent (  
    studentName VARCHAR(256),  
    emailAddress VARCHAR(256),  
    hsAverage FLOAT  
)  
BEGIN  
    IF (hsAverage < 0) OR (hsAverage > 100) THEN  
        SIGNAL SQLSTATE '45005'  
        SET MESSAGE_TEXT = 'High School average out of  
range.';  
    ELSEIF (hsAverage > 90) THEN  
        INSERT INTO Students(studentName, email, scholarship)  
VALUES (studentName, emailAddress, 1500);  
    ELSEIF (hsAverage >= 85) OR (hsAverage <= 90) THEN  
        INSERT INTO Students(studentName, email, scholarship)  
VALUES (studentName, emailAddress, 1000);  
    ELSE  
        INSERT INTO Students(studentName, email, scholarship)  
VALUES (studentName, emailAddress, 0);  
    END IF;  
END\<\  
DELIMITER ;
```

Question 3:

Test Cases:

```
CALL AcceptStudent('Adam Klitz', 'aklitz@gmail.com', 85);  
CALL AcceptStudent('Joanna King', 'j.king@gyahoo.com', 70);  
CALL AcceptStudent('Lanna Noman', 'nominal@outlook.com', 91);  
CALL AcceptStudent('Ben Fry', 'benfry@yahoo.com', 140); #errors
```

Return Table:

```
SELECT * FROM Students;
```

studentID	studentName	email	gpa	dateOfBirth	scholarship
1	Isaac Shoebottom	ir.shoebottom@gmail.com	3.5	2002-08-07 00:00:00	0
2	Adam Klitz	aklitz@gmail.com	0	(NULL)	1000
3	Joanna King	j.king@gyahoo.com	0	(NULL)	1000
4	Lanna Noman	nominal@outlook.com	0	(NULL)	1500