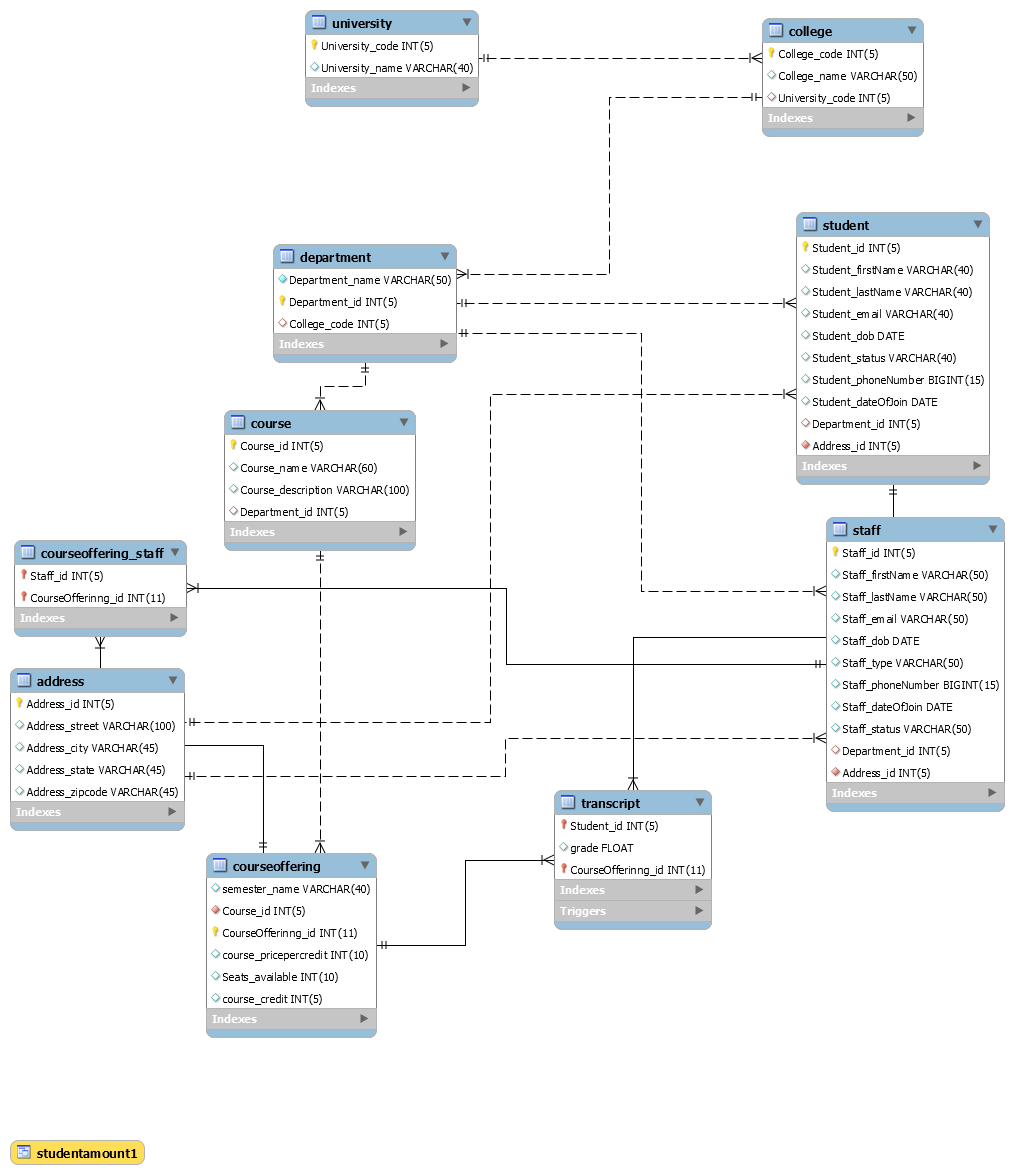
PROBLEM STATEMENT:- UNIVERSITY MANAGEMENT DATABASE

OBJECTIVE:- The objective of these project is create a database for a university which manages all the records. Few of the records are as follows:-

1. To calculate GPA of student.
2. To calculate the student amount to be paid.
3. To calculate the remaining seats available for course.

**ER Diagram:-**



**STORED PROCEDURE**:-

1. Calculate AverageGPA:-

Delimiter $$

create procedure AverageGPA()

begin

select student.student\_id, sum(courseoffering.course\_credit \* transcript.grade)/ sum(courseoffering.course\_credit) Average\_GPA

from student

inner join transcript on transcript.Student\_id = student.Student\_id

inner join courseoffering on transcript.courseofferinng\_id = courseoffering.courseofferinng\_id

group by student.Student\_id;

end$$

1. Calculate Seat Enrolled for a course:-

Delimiter $$

create procedure seatEnrolled()

begin

select CourseOfferinng\_id, count(student\_id) as Number\_of\_Student from transcript

group by CourseOfferinng\_id;

end$$

call seatEnrolled();

1. Teacher for course:-

Delimiter $$

create procedure TeacherForCourse()

begin

select CourseOfferinng\_id, count(Staff\_id) as Number\_of\_Teacher from transcript

group by CourseOfferinng\_id;

end$$

TRIGGERS:-

1. Calculate the remaining seats for course:-

Delimiter //

create trigger seatRemaining1

AFTER

insert

on transcript

for each row

begin

set @var := (select count(student\_id) from transcript where courseofferinng\_id =new.CourseOfferinng\_id);

update courseoffering

set Seats\_available = Seats\_available - @var

where CourseOfferinng\_id = new.CourseOfferinng\_id;

end//

**APPENDIX:-**

**-- MySQL dump 10.13 Distrib 5.7.12, for Win64 (x86\_64)**

**--**

**-- Host: localhost Database: new\_universityschema**

**-- ------------------------------------------------------**

**-- Server version 5.7.16-log**

**/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;**

**/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;**

**/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;**

**/\*!40101 SET NAMES utf8 \*/;**

**/\*!40103 SET @OLD\_TIME\_ZONE=@@TIME\_ZONE \*/;**

**/\*!40103 SET TIME\_ZONE='+00:00' \*/;**

**/\*!40014 SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0 \*/;**

**/\*!40014 SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0 \*/;**

**/\*!40101 SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='NO\_AUTO\_VALUE\_ON\_ZERO' \*/;**

**/\*!40111 SET @OLD\_SQL\_NOTES=@@SQL\_NOTES, SQL\_NOTES=0 \*/;**

**--**

**-- Table structure for table `address`**

**--**

**DROP TABLE IF EXISTS `address`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `address` (**

**`Address\_id` int(5) NOT NULL,**

**`Address\_street` varchar(100) DEFAULT NULL,**

**`Address\_city` varchar(45) DEFAULT NULL,**

**`Address\_state` varchar(45) DEFAULT NULL,**

**`Address\_zipcode` varchar(45) DEFAULT NULL,**

**PRIMARY KEY (`Address\_id`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `address`**

**--**

**LOCK TABLES `address` WRITE;**

**/\*!40000 ALTER TABLE `address` DISABLE KEYS \*/;**

**INSERT INTO `address` VALUES (1,'Saint Alphonsus','Boston','MA','15866'),(2,'State Street','Boston','MA','14866'),(3,'Huntington Avenue','Boston','MA','12357'),(4,'Massachusetts Avenue','Boston','MA','14528'),(5,'Melnea Cass Boulevard.','Boston','MA','15323'),(6,'Milk Street','Boston','MA','12478'),(7,'Morrissey Boulevard','Boston','MA','74414'),(8,'Morton Street.','Boston','MA','53541'),(9,'Brookline Avenue','Boston','MA','14777'),(10,'Brattle Street','Boston','MA','11222'),(11,'Boylston Street','Boston','MA','12155'),(12,'Blue Hills Parkway','Boston','MA','12255'),(13,'Jamaicaway','Boston','MA','21224'),(14,'Tremont Row','Boston','MA','11555'),(15,'Fenway','Boston','MA','11487');**

**/\*!40000 ALTER TABLE `address` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `college`**

**--**

**DROP TABLE IF EXISTS `college`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `college` (**

**`College\_code` int(5) NOT NULL AUTO\_INCREMENT,**

**`College\_name` varchar(50) DEFAULT NULL,**

**`University\_code` int(5) DEFAULT NULL,**

**PRIMARY KEY (`College\_code`),**

**UNIQUE KEY `College Code` (`College\_code`),**

**KEY `IX\_Relationship3` (`University\_code`),**

**CONSTRAINT `Has` FOREIGN KEY (`University\_code`) REFERENCES `university` (`University\_code`)**

**) ENGINE=InnoDB AUTO\_INCREMENT=5 DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `college`**

**--**

**LOCK TABLES `college` WRITE;**

**/\*!40000 ALTER TABLE `college` DISABLE KEYS \*/;**

**INSERT INTO `college` VALUES (1,'College of Engineering',1),(2,'College of Science',1),(3,'School of Law',1),(4,'College of Computer and Information Science',1);**

**/\*!40000 ALTER TABLE `college` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `course`**

**--**

**DROP TABLE IF EXISTS `course`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `course` (**

**`Course\_id` int(5) NOT NULL AUTO\_INCREMENT,**

**`Course\_name` varchar(60) DEFAULT NULL,**

**`Course\_description` varchar(100) DEFAULT NULL,**

**`Department\_id` int(5) DEFAULT NULL,**

**PRIMARY KEY (`Course\_id`),**

**UNIQUE KEY `Course\_id` (`Course\_id`),**

**KEY `IX\_Relationship26` (`Department\_id`),**

**CONSTRAINT `Relationship26` FOREIGN KEY (`Department\_id`) REFERENCES `department` (`Department\_id`)**

**) ENGINE=InnoDB AUTO\_INCREMENT=75 DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `course`**

**--**

**LOCK TABLES `course` WRITE;**

**/\*!40000 ALTER TABLE `course` DISABLE KEYS \*/;**

**INSERT INTO `course` VALUES (1,'AED','Java Swing',1),(2,'DBMS','Database',1),(3,'Web Tools','Web back end',1),(4,'Web Design','Web front end',1),(5,'ADS','Machine learning',1),(6,'BigData Engineering','Big Data',1),(7,'Business Process Engineering','Business techniques',1),(8,'Engineering Decision Making','Decision techniques',2),(9,'Engineering Project Management','Project Management',2),(10,'Financial Management for Engineers','Finance Techniques',2),(11,'DOR','Research Techniques',2),(12,'Probs & Stats','Probability',2),(13,'Human Factors Engineering','Human Engineering',3),(14,'Simulation Analysis','Simulation',3),(15,'Production Planning','Manufacturing',3),(16,'Supply Chain Engineering','chain',3),(17,'Reliabiltiy & Risk Management','Reliability',3),(18,'Chemical Engineering Mathematics','Mathematics',4),(19,'Chemical Engineering Thermodynamics','Thermodynamics',4),(20,'Chemical Engineering Kinetics','Kinetics',4),(21,'Transport Phenomena','Transportation',4),(22,'Biomedical Imaging','Imaging',5),(23,'Computer Vision','Vision',5),(24,'Biomedical Optics','Optics',5),(25,'Auditory Signal Processing','Processing',5),(26,'Algebra III','Galois Theory',6),(27,'Commulative Algebra','Algebra',6),(28,'Algebric Geometry','Geometry',6),(29,'Combinatorial Matheamtics','Combination',6),(30,'Applied Physics','Physics',7),(31,'Engineering Physics','Physics',7),(32,'Chemical Physics','Chemical',7),(33,'Bio Physics','Bio',7),(34,'Applied Behaviour Analysis','Behaviour',8),(35,'Counseling Psycology','Counseling',8),(36,'School Psycolgy','School',8),(37,'College Student Development and Counseling','College',8),(38,'Bioinformatics','Biology',9),(39,'Biotechnology','Biology',9),(40,'Linguistic Analysis','Analysis',10),(41,'Phonolgy','Phone',10),(42,'History of English','History',10),(43,'Constitutional Law','Constitution',11),(44,'Criminal Law','Crime',11),(45,'Health Law','Health',11),(46,'Trade Law','Trade',12),(47,'International Human Right','Human Right',12),(48,'Introduction to US Legal System','US system',12),(49,'Introduction to American Law','US Law',13),(50,'Legal Research and Writing','Research and writing',13),(51,'Consumer Bankruptcy','Customer bankrupt',13),(52,'Negotiation and Advocacy','Negotiation',14),(53,'Regulation and Compliance','Regulation',14),(54,'Law and Strategy','Law & Strategy',14),(55,'Computer Science and its application','Computer',15),(56,'Algorithims and Data Structures','Algorithim',15),(57,'Discrete Structures','Structures',15),(58,'Computer Organization','Organization',15),(59,'Data Collection, Integration and Analysis','Database',16),(60,'Information presentation and visualization','Visualization',16),(61,'Larege-scale storage and retrieval','Storage',16),(62,'Machine Learning and Data minning','Machine learning',16),(63,'Usability and Empirical User Research','Usability',17),(64,'Exploratory Concept Design','Design',17),(65,'Spatial and Temporal Design','Temporal Design',17),(66,'Psycholgy of Play','Psychology',17),(67,'Data Management in Health Care','Management',18),(68,'The American Healthcare System','US Health system',18),(69,'Introduction to Health Data Analytics','Introduction',18),(70,'Information Design and Visual Analytics','Visual Analytics',18),(71,'Theoretical Foundation in Personal Health Informatics','Foundation',19),(72,'Personal Health Interface Design and Development','Design',19),(73,'Personal Health Technologies','Technology',19),(74,'Global Health Information Management','Management',19);**

**/\*!40000 ALTER TABLE `course` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `courseoffering`**

**--**

**DROP TABLE IF EXISTS `courseoffering`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `courseoffering` (**

**`semester\_name` varchar(40) DEFAULT NULL,**

**`Course\_id` int(5) NOT NULL,**

**`CourseOfferinng\_id` int(11) NOT NULL AUTO\_INCREMENT,**

**`course\_pricepercredit` int(10) DEFAULT NULL,**

**`Seats\_available` int(10) DEFAULT NULL,**

**`course\_credit` int(5) DEFAULT NULL,**

**PRIMARY KEY (`CourseOfferinng\_id`),**

**UNIQUE KEY `CourseOfferinng\_id` (`CourseOfferinng\_id`),**

**KEY `IX\_Relationship15` (`Course\_id`),**

**CONSTRAINT `Relationship15` FOREIGN KEY (`Course\_id`) REFERENCES `course` (`Course\_id`)**

**) ENGINE=InnoDB AUTO\_INCREMENT=75 DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `courseoffering`**

**--**

**LOCK TABLES `courseoffering` WRITE;**

**/\*!40000 ALTER TABLE `courseoffering` DISABLE KEYS \*/;**

**INSERT INTO `courseoffering` VALUES ('Fall',1,1,1478,45,4),('Fall',2,2,1480,45,4),('Fall',3,3,1491,50,4),('Spring',4,4,1470,50,4),('Spring',5,5,1490,50,4),('Fall',6,6,1480,50,4),('Spring',7,7,1300,50,4),('Fall',8,8,1480,50,4),('Fall',9,9,1390,50,4),('Fall',10,10,1410,50,4),('Spring',11,11,1320,50,4),('Spring',12,12,1300,50,4),('Fall',13,13,1420,50,4),('Spring',14,14,1370,50,4),('Fall',15,15,1490,50,4),('Spring',16,16,1500,50,4),('Fall',17,17,1310,50,4),('Fall',18,18,1390,50,4),('Spring',19,19,1425,50,4),('Fall',20,20,1450,50,4),('Spring',21,21,1480,50,4),('Fall',22,22,1330,50,4),('Spring',23,23,1430,50,4),('Fall',24,24,1470,50,4),('Spring',25,25,1450,50,4),('Fall',26,26,1490,50,4),('Spring',27,27,1350,50,4),('Fall',28,28,1290,50,4),('Spring',29,29,1378,50,4),('Fall',30,30,1200,50,4),('Spring',31,31,1280,50,4),('Fall',32,32,1300,50,4),('Spring',33,33,1280,50,4),('Fall',34,34,1190,50,4),('Spring',35,35,1400,50,4),('Fall',36,36,1430,50,4),('Spring',37,37,1478,50,4),('Fall',38,38,1398,50,4),('Spring',39,39,1380,50,4),('Fall',40,40,1378,50,4),('Spring',41,41,1420,50,4),('Fall',42,42,1460,50,4),('Spring',43,43,1502,50,4),('Fall',44,44,1478,50,4),('Spring',45,45,1398,50,4),('Fall',46,46,1350,50,4),('Spring',47,47,1420,50,4),('Fall',48,48,1480,50,4),('Spring',49,49,1390,50,4),('Fall',50,50,1340,50,4),('Spring',51,51,1400,50,4),('Fall',52,52,1498,50,4),('Spring',53,53,1478,50,4),('Fall',54,54,1358,50,4),('Spring',55,55,1428,50,4),('Fall',56,56,1470,50,4),('Spring',57,57,1420,50,4),('Fall',58,58,1480,50,4),('Spring',59,59,1390,50,4),('Fall',60,60,1430,50,4),('Spring',61,61,1470,50,3),('Fall',62,62,1480,50,3),('Spring',63,63,1520,50,4),('Fall',64,64,1490,50,4),('Spring',65,65,1378,50,4),('Fall',66,66,1420,50,4),('Spring',67,67,1480,50,4),('Fall',68,68,1320,50,3),('Spring',69,69,1480,50,4),('Fall',70,70,1410,50,4),('Spring',71,71,1430,50,4),('Fall',72,72,1440,50,4),('Spring',73,73,1450,50,4),('Fall',74,74,1300,50,4);**

**/\*!40000 ALTER TABLE `courseoffering` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `courseoffering\_staff`**

**--**

**DROP TABLE IF EXISTS `courseoffering\_staff`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `courseoffering\_staff` (**

**`Staff\_id` int(5) NOT NULL,**

**`CourseOfferinng\_id` int(11) NOT NULL,**

**PRIMARY KEY (`Staff\_id`,`CourseOfferinng\_id`),**

**KEY `Relationship27` (`CourseOfferinng\_id`),**

**CONSTRAINT `Relationship19` FOREIGN KEY (`Staff\_id`) REFERENCES `staff` (`Staff\_id`),**

**CONSTRAINT `Relationship27` FOREIGN KEY (`CourseOfferinng\_id`) REFERENCES `courseoffering` (`CourseOfferinng\_id`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `courseoffering\_staff`**

**--**

**LOCK TABLES `courseoffering\_staff` WRITE;**

**/\*!40000 ALTER TABLE `courseoffering\_staff` DISABLE KEYS \*/;**

**INSERT INTO `courseoffering\_staff` VALUES (1,1),(2,2),(1,3),(2,4),(1,5),(2,6),(1,7),(5,8),(6,9),(5,10),(6,11),(6,12),(10,13),(9,14),(10,15),(9,16),(10,17),(12,18),(13,19),(12,20),(13,21),(14,22),(15,23),(14,24),(15,25),(17,26),(18,27),(17,28),(18,29),(21,30),(21,31),(21,32),(21,33),(22,34),(23,35),(22,36),(23,37),(24,38),(25,39),(26,40),(27,41),(26,42),(28,43),(29,44),(29,45),(30,46),(31,47),(30,48),(32,49),(33,50),(33,51),(34,52),(35,53),(34,54),(36,55),(37,56),(36,57),(37,58),(47,59),(46,60),(39,61),(38,62),(50,63),(48,64),(40,65),(50,66),(42,67),(52,68),(53,69),(52,70),(44,71),(55,72),(57,73),(60,74);**

**/\*!40000 ALTER TABLE `courseoffering\_staff` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `department`**

**--**

**DROP TABLE IF EXISTS `department`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `department` (**

**`Department\_name` varchar(50) NOT NULL,**

**`Department\_id` int(5) NOT NULL AUTO\_INCREMENT,**

**`College\_code` int(5) DEFAULT NULL,**

**PRIMARY KEY (`Department\_id`),**

**UNIQUE KEY `Department Id` (`Department\_id`),**

**UNIQUE KEY `Name` (`Department\_name`),**

**KEY `IX\_Relationship5` (`College\_code`),**

**CONSTRAINT `Has1` FOREIGN KEY (`College\_code`) REFERENCES `college` (`College\_code`)**

**) ENGINE=InnoDB AUTO\_INCREMENT=20 DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `department`**

**--**

**LOCK TABLES `department` WRITE;**

**/\*!40000 ALTER TABLE `department` DISABLE KEYS \*/;**

**INSERT INTO `department` VALUES ('Information Systems',1,1),('Engineering Management',2,1),('Industrial Engineering',3,1),('Chemical Engineering',4,1),('Bio Engineering',5,1),('Mathematics',6,2),('Physics',7,2),('Psycology',8,2),('Biology',9,2),('Linguistics',10,2),('Cooperative Legal Education Program',11,3),('Master of Laws Program',12,3),('Executive Master of Law Program',13,3),('Master of Legal Studies Program',14,3),('Computer Science',15,4),('Data Science',16,4),('Game Science and Design',17,4),('Health Data Analytics',18,4),('Health Informatics',19,4);**

**/\*!40000 ALTER TABLE `department` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `staff`**

**--**

**DROP TABLE IF EXISTS `staff`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `staff` (**

**`Staff\_id` int(5) NOT NULL AUTO\_INCREMENT,**

**`Staff\_firstName` varchar(50) DEFAULT NULL,**

**`Staff\_lastName` varchar(50) DEFAULT NULL,**

**`Staff\_email` varchar(50) DEFAULT NULL,**

**`Staff\_dob` date DEFAULT NULL,**

**`Staff\_type` varchar(50) DEFAULT NULL,**

**`Staff\_phoneNumber` bigint(15) DEFAULT NULL,**

**`Staff\_dateOfJoin` date DEFAULT NULL,**

**`Staff\_status` varchar(50) DEFAULT NULL,**

**`Department\_id` int(5) DEFAULT NULL,**

**`Address\_id` int(5) NOT NULL,**

**PRIMARY KEY (`Staff\_id`),**

**UNIQUE KEY `Staff\_id` (`Staff\_id`),**

**KEY `IX\_Relationship10` (`Department\_id`),**

**KEY `fk\_staff\_Address1\_idx` (`Address\_id`),**

**CONSTRAINT `Relationship10` FOREIGN KEY (`Department\_id`) REFERENCES `department` (`Department\_id`),**

**CONSTRAINT `fk\_staff\_Address1` FOREIGN KEY (`Address\_id`) REFERENCES `address` (`Address\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION**

**) ENGINE=InnoDB AUTO\_INCREMENT=61 DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `staff`**

**--**

**LOCK TABLES `staff` WRITE;**

**/\*!40000 ALTER TABLE `staff` DISABLE KEYS \*/;**

**INSERT INTO `staff` VALUES (1,'Yusuf','Ozbek','ozbek.yu@husky','1980-07-23','Professor',8579992222,'2000-09-10','Working',1,15),(2,'Kal','Bugrara','bugrara.kal@husky','1970-05-10','Professor',8889992233,'1993-01-01','Working',1,14),(3,'Vishal','Chawla','chawla.v@husky','1978-08-11','Employee',9990001111,'2012-09-09','Working',1,13),(4,'Aayush','Kasliwal','kasliwal.a@husky','1985-12-03','Employee',8572690099,'2013-10-10','Left',1,12),(5,'Subrotho','Das','das.su@husky','1980-09-09','Professor',9990001111,'2005-10-10','Working',2,11),(6,'Chris','Martin','martin.c@husky','1970-12-12','Professor',8789996622,'2006-05-04','Working',2,10),(7,'Chris','Morris','morris.ch@husky','1988-02-13','Professor',9808903344,'2010-08-07','Left',2,9),(8,'Harbhajan','Singh','singh.h@husky','1980-02-17','Employee',8572699988,'2011-10-09','Working',2,8),(9,'Joe','Root','root.j@husky','1975-01-20','Professor',9990001212,'2009-08-05','Working',3,7),(10,'Andrew','Symonds','symonds.a@husky','1979-11-12','Professor',6667774545,'2001-10-23','Working',3,6),(11,'Avee','Arora','arora.a@husky','1969-12-11','Employee',9993344567,'1993-01-01','Working',3,5),(12,'Gaurang','Deshpande','deshpande.g@husky','1977-07-27','Professor',8763451122,'2009-01-09','Working',4,4),(13,'Michael','Terry','terry.m@husky','1979-04-16','Professor',7770009988,'2010-10-10','Working',4,3),(14,'Brendon ','Mecullum','mecullum.b@husky','1975-02-17','Professor',2321455415,'2004-12-31','Working',5,2),(15,'Martin','Guptill','guptill.m@husky','1973-06-29','Professor',4445552321,'2004-01-01','Working',5,1),(16,'Aron','Finch','finch.a@husky','1969-07-31','Professor',9998572698,'2008-06-21','Left',5,1),(17,'Prayas','Mahajan','mahajan.pr@husky','1970-03-26','Professor',9998887676,'2011-09-21','Working',6,2),(18,'Ansh','Gupta','gupta.a@husky','1968-06-26','Professor',9998889999,'2009-10-06','Working',6,3),(19,'Roger','Gayle','gayle.ro@husky','1967-10-08','Employee',9090908899,'2005-01-05','Left',6,4),(20,'Rafal','Nadal','nadal.r@husky','1971-11-07','Employee',6667773322,'2004-09-09','Working',7,5),(21,'Mahesh ','Bhupati','bhupati.m@husky','1981-09-17','Professor',9898000000,'2014-10-03','Working',7,6),(22,'Andy','Murray','murray.a@husky','1976-03-18','Professor',8572690078,'2011-11-11','Working',8,7),(23,'Vidhushi','Agarwal','agarwal.v@husky','1971-01-20','Professor',8572690078,'2012-12-12','Working',8,8),(24,'Rachna','Tandore','tandore.r@husky','1977-03-12','Professor',8769908877,'2001-01-01','Working',9,9),(25,'Jhanvi','Goyal','goyal.j@husky','1976-12-14','Professor',8762345522,'2002-02-02','Working',9,10),(26,'Shivam','Negi','negi.s@husky','1977-02-02','Professor',1234567890,'2008-06-04','Working',10,11),(27,'Mohit','Ramani','ramani.m@husky','1981-06-04','Professor',9876543210,'2007-06-05','Working',10,12),(28,'Anurag','Basu','basu.a@husky','1975-08-06','Professor',6789012345,'2009-06-04','Working',11,13),(29,'Vipul','Sharma','sharma.v@husky','1970-12-10','Professor',7890123456,'2011-11-11','Working',11,14),(30,'Achal','Sancheti','sancheti.a@husky','1973-03-01','Professor',8901234567,'2010-12-11','Working',12,15),(31,'Shabbir','Bohra','bohra.s@husky','1978-07-05','Professor',9012345678,'2007-09-12','Working',12,15),(32,'Saif','Malik','malik.s@husky','1980-11-09','Professor',2345678901,'2007-10-15','Working',13,14),(33,'Ashish','Kushwah','kushwah.a@husky','1979-03-13','Professor',3456789012,'2000-10-18','Working',13,13),(34,'Peter','Johnes','johnes.p@husky','1977-08-10','Professor',4567890123,'2002-02-01','Working',14,12),(35,'Alice','Hikes','hikes.a@husky','1975-11-23','Professor',5678901234,'2004-02-02','Working',14,11),(36,'James','Anderson','anderson.j@husky','1978-09-27','Professor',1122334455,'2003-03-03','Working',15,10),(37,'Stuart','Broad','broad.s@husky','1973-04-11','Professor',2233445566,'2004-04-04','Working',15,9),(38,'Mitchal','Stark','stark.m@husky','1980-08-19','Professor',3344556677,'2005-05-05','Working',16,8),(39,'Mitchal','Johnson','johnson.m@husky','1978-01-20','Professor',4455667788,'2006-06-06','Working',16,7),(40,'Trent','Boult','boult.t@husky','1974-02-10','Professor',5566778899,'2007-07-07','Working',17,6),(41,'Mathew','Matt','matt.m@husky','1972-05-09','Employee',6677889900,'2008-08-08','Working',17,5),(42,'Matt','Romney','romney.m@husky','1971-04-21','Professor',7788990011,'2009-09-09','Working',18,4),(43,'Judy','Hughes','hughes.j@husky','1975-07-07','Employee',8899001122,'2010-10-10','Working',18,3),(44,'Salman','Khan','khan.s@husky','1974-02-02','Professor',9900112233,'2011-11-11','Working',19,2),(45,'Ranbir','Kapoor','kapoor.r@husky','1979-09-21','Employee',9999000011,'2012-12-12','Working',19,1),(46,'Mesut','Ozil','ozil.m@husky','1977-04-24','Professor',8989432100,'2000-09-10','Working',16,1),(47,'Alexis','Sanchez','sanchez.a@husky','1974-03-30','Professor',8989432103,'1993-01-01','Working',16,2),(48,'Lucas','Perez','perez.l@husky','1971-02-12','Professor',8989432104,'2012-09-09','Working',17,3),(49,'Graint','Xhaka','xhaka.g@husky','1968-04-02','Employee',8989432101,'2013-10-10','Left',17,4),(50,'Theo','Walcott','walcott.theo@husky','1980-07-23','Professor',8989432102,'2005-10-10','Working',17,5),(51,'Aaron','Ramsey','ramsey.a@husky','1970-05-10','Employee',8989432105,'2006-05-04','Left',18,6),(52,'Petr','Cech','cech.p@husky','1978-08-11','Professor',8989432106,'2010-08-07','Working',18,7),(53,'Loris','Karius','karius.l@husky','1985-12-03','Professor',8989432107,'2011-10-09','Working',18,8),(54,'Jordan','Henderson','henderson.j@husky','1980-09-09','Professor',8989432108,'2009-08-05','Working',19,9),(55,'Emre','Can','can.e@husky','1970-12-12','Professor',8989432109,'2001-10-23','Working',19,10),(56,'Garethe','Bale','bale.g@husky','1988-02-13','Professor',8989432110,'1993-01-01','Working',19,11),(57,'Karim','Benzema','benzema.k@husky','1980-02-17','Professor',8989432111,'2008-08-08','Working',19,12),(58,'Toni','Kroos','kroos.t@husky','1975-01-20','Professor',8989432113,'2006-06-06','Left',19,13),(59,'Sergio','Ramos','ramos.s@husky','1979-11-12','Professor',8989432112,'2012-09-09','Working',19,14),(60,'Luka','Modric','modric.l@husky','1969-12-11','Professor',8989432114,'2001-02-06','Working',19,15);**

**/\*!40000 ALTER TABLE `staff` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `student`**

**--**

**DROP TABLE IF EXISTS `student`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `student` (**

**`Student\_id` int(5) NOT NULL AUTO\_INCREMENT,**

**`Student\_firstName` varchar(40) DEFAULT NULL,**

**`Student\_lastName` varchar(40) DEFAULT NULL,**

**`Student\_email` varchar(40) DEFAULT NULL,**

**`Student\_dob` date DEFAULT NULL,**

**`Student\_status` varchar(40) DEFAULT NULL,**

**`Student\_phoneNumber` bigint(15) DEFAULT NULL,**

**`Student\_dateOfJoin` date DEFAULT NULL,**

**`Department\_id` int(5) DEFAULT NULL,**

**`Address\_id` int(5) NOT NULL,**

**PRIMARY KEY (`Student\_id`),**

**UNIQUE KEY `Student\_id` (`Student\_id`),**

**KEY `IX\_Relationship14` (`Department\_id`),**

**KEY `fk\_student\_Address1\_idx` (`Address\_id`),**

**CONSTRAINT `Relationship14` FOREIGN KEY (`Department\_id`) REFERENCES `department` (`Department\_id`),**

**CONSTRAINT `fk\_student\_Address1` FOREIGN KEY (`Address\_id`) REFERENCES `address` (`Address\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION**

**) ENGINE=InnoDB AUTO\_INCREMENT=61 DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `student`**

**--**

**LOCK TABLES `student` WRITE;**

**/\*!40000 ALTER TABLE `student` DISABLE KEYS \*/;**

**INSERT INTO `student` VALUES (1,'Parakh','Mahajan','mahajan.p@husky','1993-06-29','Interntional',8572698804,'2016-09-09',1,1),(2,'Piyush','Sharma','sharma.pi@husky','1993-05-13','Interntional',8572690001,'2016-09-09',1,2),(3,'Kaustubh','Chaudhari','chaudhari.k@husky','1992-10-05','Interntional',8572690002,'2016-09-09',1,4),(4,'Harsh','Pandey','pandey.h@husky','1991-02-11','Interntional',8572690003,'2016-01-08',1,3),(5,'Ujjwal','Thakkar','thakkar.u@husky','1991-04-23','Interntional',8572690004,'2015-09-09',1,5),(6,'Mark','Danniel','danniel.m@husky','1993-09-22','National',8576660099,'2015-01-09',1,6),(7,'Ricky ','Pointing','pointing.r@husky','1992-08-22','National',8573330908,'2015-09-09',1,7),(8,'Mike','Hussey','hussey.m@husky','1993-06-22','National',8570008899,'2014-09-09',1,8),(9,'Michael','Clark','clark.mi@husky','1991-05-05','National',8572694040,'2015-09-09',1,9),(10,'Ben','Stokes','stokes.b@husky','1992-01-01','National',8572691234,'2016-09-09',1,10),(11,'Khushal','Joshi','joshi.k@husky','1993-03-01','Interntional',8572690099,'2016-09-09',2,11),(12,'Manu','Kumra','kumra.m@husky','1993-09-21','Interntional',8572221110,'2015-09-09',2,12),(13,'Rishabh','Waghela','waghela.r@husky','1993-09-13','Interntional',8576661199,'2016-09-09',2,13),(14,'Raj','Kumar','kumar.r@husky','1992-05-06','Interntional',8570010010,'2015-01-09',2,14),(15,'Dharmik','Seth','seth.d@husky','1993-07-03','Interntional',8572223333,'2015-09-09',2,15),(16,'David','Warner','warner.d@husky','1993-02-17','National',8573034040,'2016-09-09',2,15),(17,'Christino','Ronaldo','ronaldo.c@husky','1992-11-19','National',8578570010,'2015-09-09',2,14),(18,'Leo','Messi','messi.l@husky','1993-12-12','National',8570001110,'2016-01-09',2,13),(19,'David','Beckham','beckham.d@husky','1992-07-14','National',8572221134,'2016-09-09',2,12),(20,'Andre','Iniesta','iniesta.a@husky','1993-08-10','National',8576401234,'2016-01-09',2,11),(21,'Chaitanya','Mahajan','mahajan.c@husky','1992-09-10','Interntional',8570002222,'2016-09-09',3,1),(22,'Charchill','Kasliwal','kasliwal.c@husky','1993-01-01','Interntional',8799980908,'2016-01-09',3,2),(23,'Tom','Cruise','cruise.t@husky','1992-05-04','National',9889003456,'2015-01-09',3,3),(24,'Johnny','Dep','dep.j@husky','1992-01-06','National',9872578804,'2016-09-09',3,4),(25,'Leo','Karlos','karlos.l@husky','1992-03-02','Interntional',6788890011,'2016-09-09',4,5),(26,'Mark','John','john.m@husky','1993-07-07','Interntional',3452346789,'2015-09-09',4,6),(27,'Tom','Gayle','gayle.t@husky','1994-08-08','National',9871234567,'2016-01-09',4,7),(28,'Chriss','Gayle','gayle.c@husky','1992-07-04','National',9089088899,'2016-09-09',4,8),(29,'Yuvraj','Singh','singh.y@husky','1992-09-27','Interntional',7778889999,'2016-09-09',5,9),(30,'Suresh','Raina','raina.s@husky','1992-12-30','Interntional',3334445566,'2016-01-09',5,10),(31,'AB','Develliers','develliers.ab@husky','1998-07-31','National',1112223333,'2015-09-09',5,11),(32,'Dale','Stayen','stayen.d@husky','1993-08-03','National',2223334444,'2016-09-09',5,12),(33,'Hashim ','Amla','amla.h@husky','1992-07-07','Interntional',5556667777,'2016-09-09',6,13),(34,'Ian','Bell','bell.i@husky','1993-09-09','National',6667778888,'2016-09-09',6,14),(35,'Shubham','Patel','patel.sh@husky','1991-10-09','Interntional',7778889999,'2016-09-09',7,15),(36,'Jon','Snow','snow.j@husky','1993-02-01','National',8889990000,'2016-01-09',7,15),(37,'Pawan','Patidar','patidar.p@husky','1992-03-02','Interntional',9990001111,'2015-09-09',8,14),(38,'Dan','Ballack','ballack.d@husky','1993-04-03','National',1112223333,'2015-01-09',8,13),(39,'Nisarg','Patel','patel.n@husky','1992-05-04','Interntional',2223334444,'2016-09-09',9,12),(40,'Michael','Ballack','ballack.m@husky','1991-07-06','National',3334445555,'2016-01-09',9,11),(41,'Bharat','Parwani','parwani.b@husky','1993-09-08','Interntional',5556667777,'2016-09-09',10,10),(42,'Dwayne','Johnson','johnson.d@husky','1992-10-09','National',7778889999,'2016-01-09',10,9),(43,'Sudhanshu','Garg','garg.sd@husky','1992-11-10','Interntional',1100223344,'2015-09-09',11,8),(44,'Jon','Cena','cena.j@husky','1991-12-11','National',7773332221,'2016-09-09',11,7),(45,'Gopal','Mahajan','mahajan.go@husky','1993-01-13','Interntional',7767767767,'2016-09-09',12,6),(46,'Brock','Lesnar','lesnar.b@husky','1992-02-14','National',8898899898,'2015-09-09',12,5),(47,'Brajesh','Kothane','kothane.b@husky','1993-03-15','Interntional',9425087042,'2016-09-09',13,4),(48,'Dwayne','Bravo','bravo.d@husky','1991-04-16','National',9425088742,'2016-01-09',13,3),(49,'Ankit','Kothari','kothari.a@husky','1993-04-16','Interntional',9479316439,'2015-09-09',14,2),(50,'Yusuf','Ozbek','ozbek.y@husky','1993-07-31','National',9450233442,'2016-01-09',14,1),(51,'Neeraj','Singh','singh.ne@husky','1993-05-05','Interntional',9425088242,'2016-09-09',15,1),(52,'Kal','Bugrara','bugrara.k@husky','1992-06-06','National',9425088142,'2016-09-09',15,2),(53,'Antriksh','Sharma','sharma.an@husky','1993-07-07','Interntional',9425333142,'2016-09-09',16,3),(54,'Richard','Shraman','sharman.r@husky','1992-08-07','National',9425333442,'2015-01-09',16,4),(55,'Bhavna','Megharajni','megharajni.b@husky','1991-09-06','Interntional',8989189303,'2015-01-09',17,5),(56,'Robert','Hobbson','hobbson.r@husky','1991-10-10','National',8989162477,'2016-09-09',17,6),(57,'Amitha','Murali','murali.a@husky','1992-06-06','Interntional',8989432100,'2016-01-09',18,7),(58,'Hande','Muasla','muasla.h@husky','1991-09-05','National',8989888999,'2016-09-09',18,8),(59,'Kedar','Deshmukh','deshmukh.k@husky','1993-11-08','Interntional',8989999888,'2016-09-09',19,9),(60,'Nassar','Fard','fard.n@husky','1991-12-06','National',8889993343,'2016-09-09',19,10);**

**/\*!40000 ALTER TABLE `student` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Temporary view structure for view `studentamount1`**

**--**

**DROP TABLE IF EXISTS `studentamount1`;**

**/\*!50001 DROP VIEW IF EXISTS `studentamount1`\*/;**

**SET @saved\_cs\_client = @@character\_set\_client;**

**SET character\_set\_client = utf8;**

**/\*!50001 CREATE VIEW `studentamount1` AS SELECT**

**1 AS `student\_id`,**

**1 AS `StudentAmount`\*/;**

**SET character\_set\_client = @saved\_cs\_client;**

**--**

**-- Table structure for table `transcript`**

**--**

**DROP TABLE IF EXISTS `transcript`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `transcript` (**

**`Student\_id` int(5) NOT NULL,**

**`grade` float DEFAULT NULL,**

**`CourseOfferinng\_id` int(11) NOT NULL,**

**PRIMARY KEY (`Student\_id`,`CourseOfferinng\_id`),**

**KEY `Relationship28` (`CourseOfferinng\_id`),**

**CONSTRAINT `Relationship21` FOREIGN KEY (`Student\_id`) REFERENCES `student` (`Student\_id`),**

**CONSTRAINT `Relationship28` FOREIGN KEY (`CourseOfferinng\_id`) REFERENCES `courseoffering` (`CourseOfferinng\_id`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `transcript`**

**--**

**LOCK TABLES `transcript` WRITE;**

**/\*!40000 ALTER TABLE `transcript` DISABLE KEYS \*/;**

**INSERT INTO `transcript` VALUES (1,3.2,1),(1,3.1,2),(1,3.2,3),(1,3.3,4),(2,3.4,1),(2,3.3,2),(2,3.5,5),(3,3.6,1),(3,3.2,4),(4,3,7),(5,3.1,5),(5,3.4,6),(6,3.3,2),(6,3.6,5),(6,3.7,6),(7,3.8,1),(7,3.1,2),(8,3.2,1),(9,3.3,2),(9,3.5,4),(10,3.6,6),(11,3.4,9),(11,3.2,10),(12,3.1,8),(13,3.4,9),(13,3.3,10),(14,3.5,8),(15,2.9,10),(15,2.9,12),(16,3.1,11),(17,3.5,10),(18,3.7,9),(19,3.2,8),(20,3.1,10),(20,3.4,11),(21,3.4,13),(21,3.5,14),(22,3.3,13),(22,3.2,14),(23,3.4,15),(24,2.7,15),(24,2.9,16),(24,3.7,17),(25,3.1,18),(26,3.3,19),(26,3.4,20),(27,3.5,21),(28,3.6,19),(29,3.2,22),(29,3.3,23),(30,3.1,22),(31,3.6,22),(32,3.5,22),(32,3.1,23),(33,3.6,26),(33,4,27),(34,3.6,28),(34,3.3,29),(35,3.5,30),(35,2.9,31),(36,3.1,32),(36,3.5,33),(37,3.2,34),(37,3.1,35),(38,3.5,36),(38,3.4,37),(39,3.9,38),(39,3.2,39),(40,3.6,38),(40,3.1,39),(41,3.5,40),(41,3.7,41),(42,3.1,40),(42,3.8,42),(43,3.2,43),(43,3.1,44),(44,3.5,43),(44,3.3,45),(45,3.6,46),(45,3.1,47),(46,2.9,47),(46,3.1,48),(47,3.2,49),(47,3.4,50),(48,3.8,49),(48,3.7,51),(49,3.9,52),(50,3.2,53),(51,3.3,55),(51,2.9,56),(52,3.3,57),(53,3.4,59),(53,3.1,61),(54,2.9,62),(55,3.5,63),(56,3.6,64),(56,3.5,65),(57,3.6,67),(57,3.4,68),(58,3.1,70),(59,3.5,71),(59,3.6,72),(60,3.5,73),(60,2.8,74);**

**/\*!40000 ALTER TABLE `transcript` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Table structure for table `university`**

**--**

**DROP TABLE IF EXISTS `university`;**

**/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!40101 SET character\_set\_client = utf8 \*/;**

**CREATE TABLE `university` (**

**`University\_code` int(5) NOT NULL,**

**`University\_name` varchar(40) DEFAULT NULL,**

**PRIMARY KEY (`University\_code`),**

**UNIQUE KEY `Institution Code` (`University\_code`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8;**

**/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;**

**--**

**-- Dumping data for table `university`**

**--**

**LOCK TABLES `university` WRITE;**

**/\*!40000 ALTER TABLE `university` DISABLE KEYS \*/;**

**INSERT INTO `university` VALUES (1,'Northeastern University');**

**/\*!40000 ALTER TABLE `university` ENABLE KEYS \*/;**

**UNLOCK TABLES;**

**--**

**-- Final view structure for view `studentamount1`**

**--**

**/\*!50001 DROP VIEW IF EXISTS `studentamount1`\*/;**

**/\*!50001 SET @saved\_cs\_client = @@character\_set\_client \*/;**

**/\*!50001 SET @saved\_cs\_results = @@character\_set\_results \*/;**

**/\*!50001 SET @saved\_col\_connection = @@collation\_connection \*/;**

**/\*!50001 SET character\_set\_client = utf8 \*/;**

**/\*!50001 SET character\_set\_results = utf8 \*/;**

**/\*!50001 SET collation\_connection = utf8\_general\_ci \*/;**

**/\*!50001 CREATE ALGORITHM=UNDEFINED \*/**

**/\*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER \*/**

**/\*!50001 VIEW `studentamount1` AS select `student`.`Student\_id` AS `student\_id`,sum(`courseoffering`.`course\_pricepercredit`) AS `StudentAmount` from ((`student` join `transcript` on((`transcript`.`Student\_id` = `student`.`Student\_id`))) join `courseoffering` on((`transcript`.`CourseOfferinng\_id` = `courseoffering`.`CourseOfferinng\_id`))) group by `student`.`Student\_id` \*/;**

**/\*!50001 SET character\_set\_client = @saved\_cs\_client \*/;**

**/\*!50001 SET character\_set\_results = @saved\_cs\_results \*/;**

**/\*!50001 SET collation\_connection = @saved\_col\_connection \*/;**

**/\*!40103 SET TIME\_ZONE=@OLD\_TIME\_ZONE \*/;**

**/\*!40101 SET SQL\_MODE=@OLD\_SQL\_MODE \*/;**

**/\*!40014 SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS \*/;**

**/\*!40014 SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS \*/;**

**/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;**

**/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;**

**/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;**

**/\*!40111 SET SQL\_NOTES=@OLD\_SQL\_NOTES \*/;**

**-- Dump completed on 2016-12-12 10:16:22**