UML class (Project)
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User

- name : string
- email : string
- rollNum : string
- password : string
- number : string

+User()
+User(string name, string email, string rollNum, string password, +string number)
+string getName()
+string getEmail()
+string getRollNum()
+string getPassword()
+string getNumber()
+void setName(string name)
+void setEmail(string email)
+void setRollNum(string rollNum)
+void setPassword(string password)
+void setNumber(string number)
+void print()
+virtual ~User()
+virtual void ViewClass(string *Maths1, string *Physics1, string *Chemistry1, int p)

Teacher

Inherited from User class

```
Teacher()
Teacher(string name, string email,
string rollNum, string password,
string number)
void MakeAssignment(string maths[],
string phys[], string chem[], int
index, Assignments &a)
string MakeClass()
virtual void addStudent(int index,
string subject[])
void print()
~Teacher()
void ViewClass(string *Maths1,
string *Physics1, string
*Chemistry1, int p)
```

Student

- homework : Assignments

```
Student()
Student(string name, string email,
string rollNum, string password,
string number)
void RegisterClass()
string getStudentName()
bool AttemptAssignment()
void print()
 ~Student()
void ViewClass(string *Maths1,
string *Physics1, string
*Chemistry1, int p)
```

Classroom

- subject : string
- studentsArr[100] ; Student
- teacher : Teacher
- homework : Assignment

```
+void addStudent(Student newStudent)
+void getStudents()
+void setSubject(string subject)
+string getSubject()
+void setTeacher(Teacher teacher)
+Teacher getTeacher()
+void printTeacher()
+void printStudents()
+void RemoveClass()
+void printClassroom()
+void AddTeacher(Teacher teacher)
```

Assignments

- assignmentName : string
- dueDate : string
- marks : double

```
+void setAssignmentName(string
assignmentName)
+string getAssignmentName()
+void setDueDate(string dueDate)
+string getDueDate()
+void setMarks(double marks)
+double getMarks()
+void printAssignment()
```

Notification

- notification : string
- date : string

```
+void setNotification(string
notification)
+string getNotification()
+void setDate(string date)
+string getDate()
+void print()
```