

Day 28

Question 1

1. We have to calculate the percentage of marks obtained in three subjects (each out of 100) by student A and in four subjects (each out of 100) by student B. Create an abstract class 'Marks' with an abstract method 'getPercentage'. It is inherited by two other classes 'A' and 'B' each having a method with the same name which returns the percentage of the students. The constructor of student A takes the marks in three subjects as its parameters and the marks in four subjects as its parameters for student B. Create an object for each of the two classes and print the percentage of marks for both the students.

Question 2

1. Create an interface Messaging with the following methods:
 - `public String getMessage()`
 - `public void print()`
 - `public String getRecipient()`
2. Create two classes SMS and Email implementing Messaging interface.
3. Create a class MessagingService with the following:
 - Create object of SMS and Email and then call `print()` method