

Assignment

Create a dataframe with the following data

Index	Name	Mobile_No	Marks	Course	Status
Std01	AAA	1111111	90	DS	Pass
Std02	BBB	2222222	80	Java	Pass
Std03	CCC	3333333	40	C++	Fail
Std04	DDD	4444444	78	Eng	Pass
Std05	EEE	5555555	63	Math	Pass
Std03	CCC	3333333	40	C++	Fail
Std06	FFF		105	DA	Pass

1. Count number of students in the frame
2. Add a new column that should represent the grade letter (A>=90,B>=80,C>=70,D>=60,F<60) based on the marks obtained by students
3. Insert the missing data with proper value input from user
4. Remove the duplicate rows
5. Let us assume that teacher decided to upgrade the result of students that lack 2 marks from their result to promote them to next grade. Check and promote such students and print new result
6. Mistakenly, the course name was entered wrongly by teacher, Replace the course "DA" with "DAS" and print updated frame to user
7. Display a list of students who achieved grade "B"
8. Validate the marks for the range 0 to 100 so that any marks that were entered wrongly could be rectified.
9. Column "Index" should represent students IDs in numeric form so replace all this data with numeric student IDs
10. Display a list of data that contains names and marks of students only.