

# Sample problem statement for WADL

AY: 21-22 : SEM: II

- 1) Perform following tasks using nodejs, Expressjs and MongoDB.  
Following operation should be perform in Nodejs and Expressjs only.
  - a) Create a Database called student.
  - b) Create a collection called studentmarks
  - c) Insert array of documents in above Collection. [Document have following field:  
Name, Roll\_No, WAD\_Marks, CC\_Marks, DSBDA\_Marks, CNS\_Marks,AI\_marks]
  - d) Display total count of documents and List all the documents in browser.
  - e) List the names of students who got more than 20 marks in DSBDA Subject in browser.
  - f) Update the marks of Specified students by 10.
  - g) List the names who got more than 25 marks in all subjects in browser.
  - h) List the names who got less than 40 in both Maths and Science in browser.
  - i) Remove specified student document from collection.
  - j) Display the Students data in Browser in tabular format.

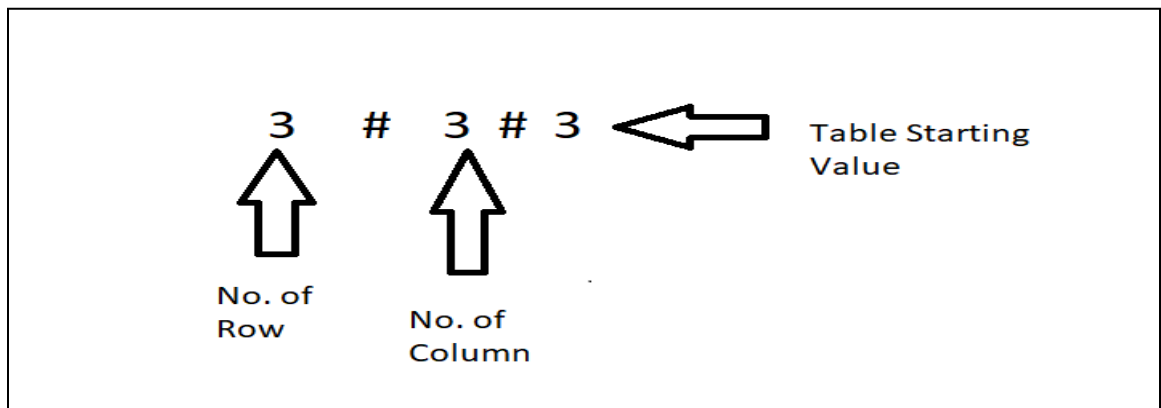
Name	Roll No	WAD	DSBDA	CNS	CC	AI
ABC	111	25	25	25	25	25

- 2) Perform following tasks using nodejs, Expressjs and MongoDB.  
Following operation should be perform in Nodejs and Expressjs only.
  - a) Create a Database called music.
  - b) Create a collection called songdetails
  - c) Insert array of 5 song documents in above Collection.  
[Document have following field:  
Songname, Film, Music\_director, singer]

- d) Display total count of documents and List all the documents in browser.
- e) List specified Music Director songs.
- f) List specified Music Director songs sung by specified Singer
- g) Delete the song which you don't like.
- h) Add new song which is your favourite.
- i) List Songs sung by Specified Singer from specified film.
- j) Update the document by adding Actor and Actress name.
- k) Display the above data in Browser in tabular format.

Song Name	Film Name	Music Director	Singer	Actor	Actress
ABC	DEF	GHI	JKL	MNO	PQR

- 3) Create two input box and one button. In Input box you can provide input like 3#3#3 and 3#3#2



Create 2 Table having row and column mentioned in two different Input boxes  
 If first No. of Row is same as second No. of Row and first No. of Column is same as second No. of Column, then show third table.

The last no. which is present in input value.

Start Printing table vertically from that no.

3	4	5
6	8	10
9	12	15

2	3	4
4	6	8
6	9	12

If first cell value of first table is equal to first cell value of second table, then print same no. else print multiplication of both no. in Third Table.

In third table if any cell value repeats then give same background colour else give new one

6	12	20
24	48	80
54	144	180

Example 2. In Input box you can provide input like 3#3#3 and 3#3#3

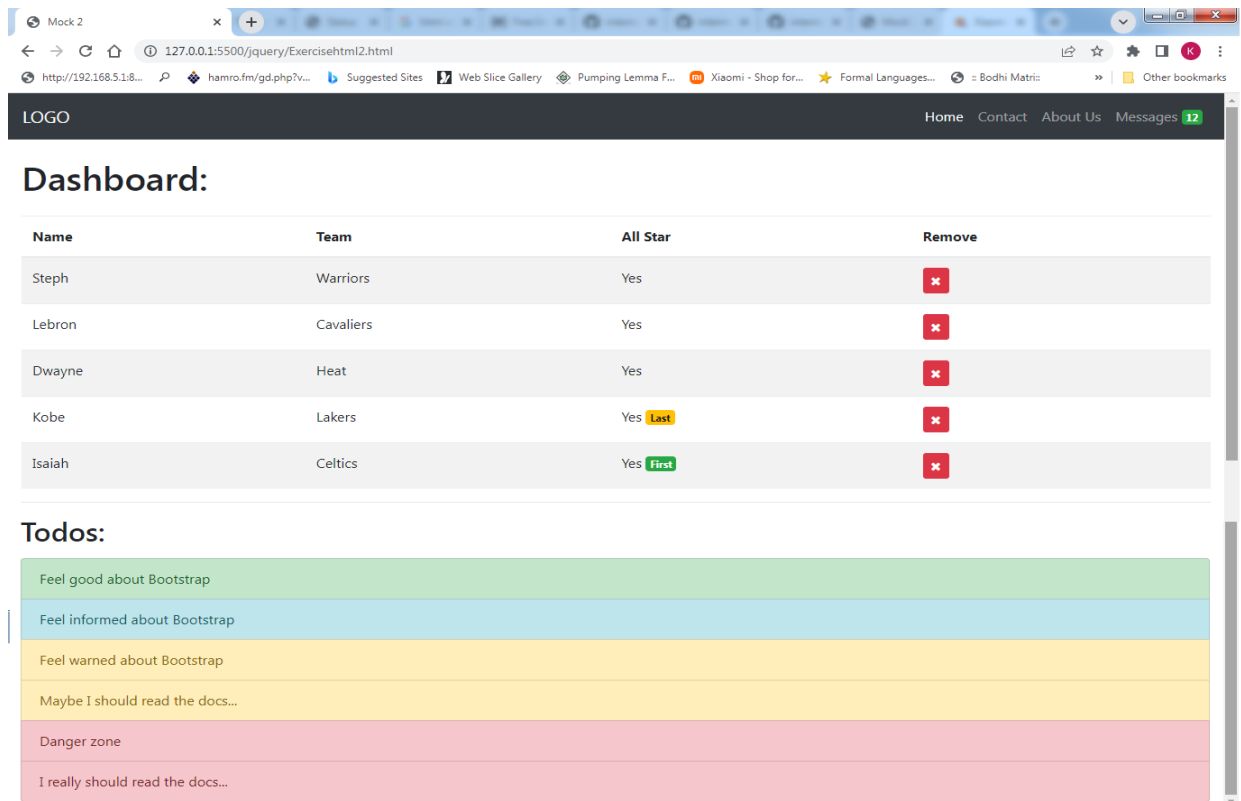
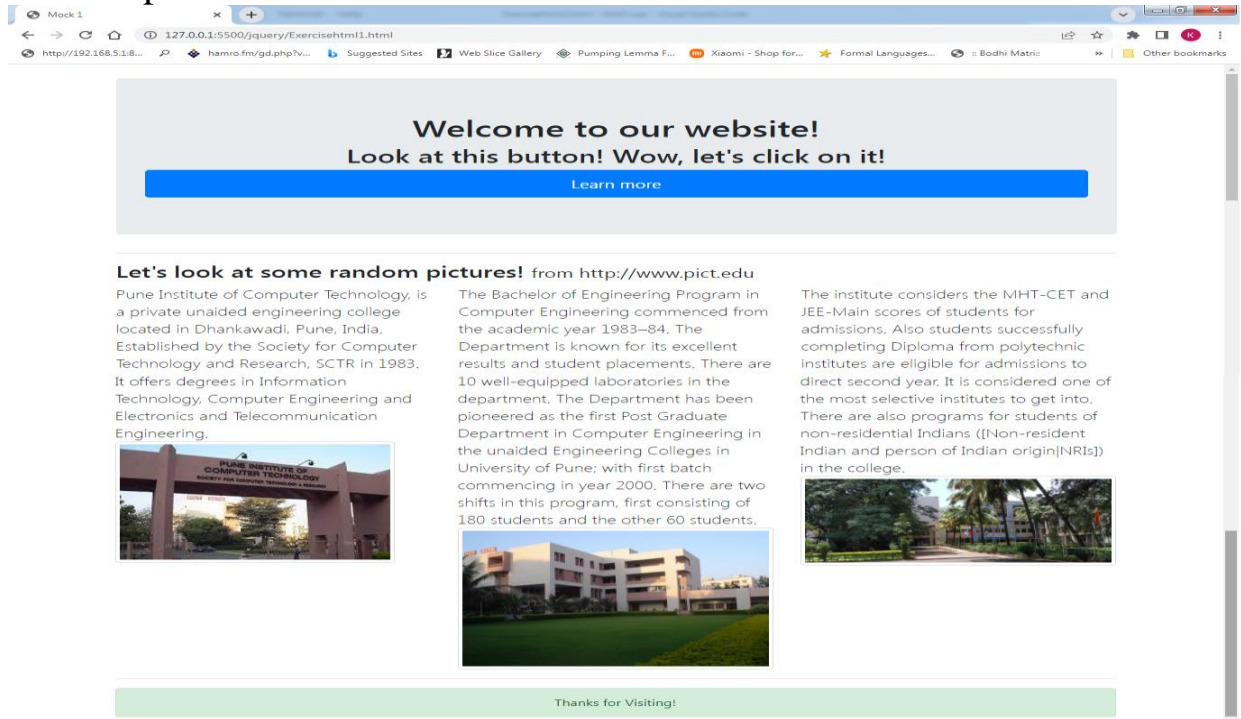
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- 4) Create a simple Mobile Website using jQuery Mobile.
- 5) Write a JavaScript Program to get the user registration data and push to array/local storage with AJAX POST method and data list in new page.

## 6) Design the following Responsive websites using HTML, CSS and Bootstrap.



7)

- Use the Bootstrap grids classes to create this webpage with a sidebar and main content:

## Some Favorites

[Celery Root](#)  
[Spaghetti Squash](#)  
[Killer Mushrooms](#)

Search Recipes

## Wild & Wacky Vegetables

Kale courgette salsify mustard broccoli seakale wakame potato fava bean tigernut leek celery spinach avocado cabbage celtuce rutabaga kohlrabi. Parsnip pea soko groundnut bitterleaf spring onion. Grape dulse rutabaga lentil gram kakadu plum water spinach cabbage lotus root.

Mung bean quandong kale prairie turnip celery gram zucchini pumpkin green bean silver beet chard endive komatsuna eggplant kakadu plum radish broccoli. Arugula amaranth fennel wakame peanut garlic chickweed. Sorrel jicama quandong kale chickpea water chestnut rock melon aubergine lettuce pea azuki bean cress onion sea lettuce dandelion nori dulse rutabaga. Coriander napa cabbage bok choy carrot kakadu plum brussels sprout bamboo shoot salad okra cucumber garlic kombu beet greens cauliflower summer purslane. Artichoke daikon horseradish arugula taro catsear kombu rock melon pea sprouts collard greens mustard courgette lettuce soko maize plantain.

- Use the Bootstrap content CSS classes to add a quote, table, and image thumbnails to the page.

## Some Favorites

[Celery Root](#)  
[Spaghetti Squash](#)  
[Killer Mushrooms](#)

Search Recipes

## Wild & Wacky Vegetables

The beet is the most intense of vegetables. The radish, admittedly, is more feverish, but the fire of the radish is a cold fire, the fire of discontent not of passion. Tomatoes are lusty enough, yet there runs through tomatoes an undercurrent of frivolity. Beets are deadly serious.

Tom Robbins

## Some diseases

Veggie	Disease
Beets	Beeturia
Carrots	Carotenosis

Kale courgette salsify mustard broccoli seakale wakame potato fava bean tigernut leek celery spinach avocado cabbage celtuce rutabaga kohlrabi. Parsnip pea soko groundnut bitterleaf spring onion. Grape dulse rutabaga lentil gram kakadu plum water spinach cabbage lotus root.

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- Use the Bootstrap components classes to add an alert, search form to the page.

Some Favorites

Celery Root

Spaghetti Squash

Killer Mushrooms

Search Recipes

Uh oh! Have you had your daily dose of veggies today??

Wild & Wacky Vegetables

The beet is the most intense of vegetables. The radish, admittedly, is more feverish, but the fire of the radish is a cold fire, the fire of discontent not of passion. Tomatoes are lusty enough, yet there runs through tomatoes an undercurrent of frivolity. Beets are deadly serious.

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**Beets**

Careful not to get your hands dirty.



**Carrots**

Not sticks, can motivate.



**Asparagus**

Spears, spears, spears.

Really informative info

Kale courgette salsifu mustard broccoli sea kale wakame potato fava bean tinemut leek celery spinach aubergin cabbagae cauliflower rutabaga

play around with adding more components or styling!

8)