# Answersheet

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No. of questions attempted: 7

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Assignment: Special Questions

Total no. of questions: 7

Total marks: 35

Result: Not reviewed yet

| Sl. No. | Question | Actions |
|---|---|---|
| 1 | **So there is a Zombie Apocalypse and the military is checking everyone's temperature to enter the refuge camp. But the military has made a major mistake. The thermometer shows the temperature lower by 2 degrees for each person but that could be fatal. Now fix the error by increasing the temperature of each person by 2 and generate a new array and assign the data to fixedTemperatures variable.** 5 marks<br><br>**Save everyone, soldier!**<br><br>**Good Luck, with the mission!**<br><br>***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***<br><br>***const fixedTemperatures = .....***<br><br>const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35] const fixedTemperatures = celsiusTemperatures.map((temp) => temp + 2) console.log("Fixed Temperatures:", fixedTemperatures) | Marks<br>0 |

| | | |
|---|---|---|
| 2 | **Good, Job soldier!** 5 marks<br><br>**Here, is the solution to the problem before.**<br><br>***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***<br><br>***const fixedTemperatures = celsiusTemperatures.map((temperature) => temperature + 2)***<br><br>**Now, you need to send the data to the higher-ups but they only take the data in Fahrenheit. So, now you need to convert the data in fixedTemperatures to Fahrenheit.**<br><br>const fixedTemperatures2 = celsiusTemperatures.map((temp) => temp + 2).map(c => (c * 9) / 5 + 32) console.log("Fahrenheit Temperatures:", fixedTemperatures2) | Marks<br>0 |
| 3 | **Good job, soldier!** 5 marks<br><br>**Here, is the solution to the problem before.**<br><br>***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***<br><br>***const fixedTemperatures = celsiusTemperatures.map((temp) => temp + 2)***<br><br>***const fahrenheitTemperatures = fixedTemperatures.map((celsius) => (celsius * 9) / 5 + 32)***<br><br>**Now, healthy people will be allowed to enter and people who are sick will be put in a quarantine for future checkups don't worry.**<br><br>**Now, you need to pick the people that are healthy to enter. But their temperature should be less than 104 degrees Fahrenheit.** | Marks<br>0 |

**So, please filter out healthy people in a new array and save it in a variable called *healthyPeople*.**

const healthyPeople = celsiusTemperatures .map(temp => temp + 2) .map(c => (c * 9) / 5 + 32) .filter(f => f < 104) console.log("Healthy People:", healthyPeople)

4

**Good job, Soldier!** 5 marks

**Here, is the solution to the problem before.**

***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***

***const fixedTemperatures = celsiusTemperatures.map((temperature) => temperature + 2)***

***const fahrenheitTemperatures = fixedTemperatures.map((celsius) => (celsius * 9) / 5 + 32)***

***const healthyPeople = fahrenheitTemperatures.filter((temperature) => temperature < 104)***

**Now, you have to check how much food is there in the warehouse. You have the weight of each container that the food is kept in kgs you need to calculate the total kgs of food in the warehouse. Hint, you need a single value at the end from a whole set of data.**

***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***

***const fixedTemperatures = celsiusTemperatures.map((temperature) => temperature + 2)***

***const fahrenheitTemperatures = fixedTemperatures.map((celsius) => (celsius * 9) / 5 + 32)***

Marks

0

***const healthyPeople = fahrenheitTemperatures.filter((temperature) => temperature < 104)***

***const warehouse = [86, 76, 98, 50, 12, 98, 85, 84, 81]***

***const totalFood = .....***

const warehouse = [86, 76, 98, 50, 12, 98, 85, 84, 81] const totalFood = warehouse.reduce((acc, curr) => acc + curr, 0) console.log("Total Food in Warehouse:", totalFood)

5

**You are Hero, Soldier!** 5 marks

**Here, is the solution to the problem before.**

***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***

***const fixedTemperatures = celsiusTemperatures.map((temperature) => temperature + 2)***

***const fahrenheitTemperatures = fixedTemperatures.map((celsius) => (celsius * 9) / 5 + 32)***

***const healthyPeople = fahrenheitTemperatures.filter((temperature) => temperature < 104)***

***const warehouse = [86, 76, 98, 50, 12, 98, 85, 84, 81]***

***const totalFood = warehouse.reduce((acc, curr) => acc + curr)***

***console.log(totalFood)***

**So, it turns out now one more person decided to join the camp. And you already checked he is healthy. Just need to update the list of healthyPeopledata and add his actual temperature which is 98.6 Fahrenheit showing he is healthy and is permitted to enter.**

Marks

0

const healthyPeople2 = celsiusTemperatures .map(temp => temp + 2) .map(c => (c * 9) / 5 + 32) .filter(f => f < 104) healthyPeople2.push(98.6) console.log("Updated Healthy People:", healthyPeople2)

6

**Good job, Soldier!**

5 marks

**Here, is the solution to the problem above.**

***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***

***const fixedTemperatures = celsiusTemperatures.map((temperature) => temperature + 2)***

***const fahrenheitTemperatures = fixedTemperatures.map((celsius) => (celsius * 9) / 5 + 32)***

***const healthyPeople = fahrenheitTemperatures.filter((temperature) => temperature < 104)***

***healthyPeople.push(98.6)***

**So, some people from the quarantine are okay they just had normal fevers now they can enter the camp but to do that you need to enter their temperatures. And the data is given for the new people free from quarantine.**

***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***

***const fixedTemperatures = celsiusTemperatures.map((temperature) => temperature + 2)***

***const fahrenheitTemperatures = fixedTemperatures.map((celsius) => (celsius * 9) / 5 + 32)***

***const healthyPeople = fahrenheitTemperatures.filter((temperature) => temperature < 104)***

Marks

0

***healthyPeople.push(98.6)***

***const newPeople = [95, 93.2, 100.4, 98.6, 102.2, 91.4, 95.5]***

const newPeople = [95, 93.2, 100.4, 98.6, 102.2, 91.4, 95.5] const healthyPeople3 = celsiusTemperatures .map(temp => temp + 2) .map(c => (c * 9) / 5 + 32) .filter(f => f < 104) healthyPeople3.push(98.6, ...newPeople) console.log("Healthy People + Recovered:", healthyPeople3)

7

**You are a SuperHero.** 5 marks

**And here, is the solution.**

***const celsiusTemperatures = [38, 40, 35, 37, 38, 37, 39, 33, 35]***

***const fixedTemperatures = celsiusTemperatures.map((temperature) => temperature + 2)***

***const fahrenheitTemperatures = fixedTemperatures.map((celsius) => (celsius * 9) / 5 + 32)***

***let healthyPeople= fahrenheitTemperatures.filter((temperature) => temperature < 104)***

***healthyPeople.push(98.6)***

***const newPeople = [35, 34, 38, 37, 39, 33, 35]***

***healthyPeople= healthyPeople.concat(newPeople)***

const processedNewPeople = newPeople .map(temp => temp + 2) .map(c => (c * 9) / 5 + 32) .filter(f => f < 104) // Merge with previous healthy people const healthyPeople4 = healthyPeople3.concat(processedNewPeople) console.log("Final Healthy People List:", healthyPeople4)

Marks

0