Ensure that you apply appropriate validation to each question.

For example :

1. Users should NOT be allowed to leave text fields empty.
2. Users should NOT be allowed to enter text when asked for numeric values.
3. Display descriptive error messages when the users break the validation rules .
4. ALL error messages and outputs should be displayed in a customized modal that you designed in HTML & CSS.
5. Develop a web application that requests from the user two numbers, via a form. The web application should then calculate the sum of two numbers (This was already done in the videos).
6. Develop a web application that requests from the user a person’s name and their weight in kilograms (kg) via a form.

The web application should then convert the person’s weight in pounds and display the answer to the user on the web page. NOTE, 1 kilogram = 2.2 pounds.

1. Develop a web application that requests a student name, number and the student’s exam score out of 100 via a from.

Your application is then to match the exam score to a letter grade and output the grade to the console. Calculate the letter grade as follows:

|  |  |
| --- | --- |
| Exam score |  |
| 90 and above | A |
| 80–89.99 | B |
| 70–79.99 | C |
| 60–69.99 | D |
| below 60 | F |

4.Design a web application that will receive the weight of a parcel and determine the delivery charge for that parcel. Charges are calculated as follows:

|  |  |
| --- | --- |
| Parcel Weight (kg) | Cost per kg ($) |
| <2.5 kg | $3.50 per kg |
| 2.5–5 kg | $2.85 per kg |
| >5-7 kg | $2.45 per kg |
| >7 | $3.25 per kg |

The tax payable on taxable income for employees in a certain country is set out in the following table:

|  |  |
| --- | --- |
| Taxable income | Tax payable |
| From $1.00–$4461.99 | Nil |
| From $4462.00–$17 893.99 | Nil plus 30 cents for each $  in excess of $4462.00 |
| From $17 894.00–$29 499.99 | $4119.00 plus 35 cents for each $  in excess of $17 894.00 |
| From $29 500.00–$45 787.99 | $8656.00 plus 46 cents for each $  in excess of $29 500.00 |
| $45 788.00 and over | $11 179.00 plus 60 cents for each $  in excess of $45 788.00 |

Write a web application that will request the taxable income amount via a form and calculate and display the tax payable on that amount.