

1. 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 into pounds and display the answer to the user on the web page. NOTE, 1 kilogram = 2.2 pounds.

<https://repl.it/@KadeemB/Question-1-Weight-Calculator-Converter>

2. Develop a web application that requests from the user a number, via a form and then display if that number is a positive or negative number when the user presses a button "Determine Number Type"

<https://repl.it/@KadeemB/Question-2-Positive-and-Negative-Number>

3. Develop a web application that requests from the user a number, via a form and then display if that number is an even or odd number when the user presses a button "Determine Number Type".

<https://repl.it/@KadeemB/Question-3-Even-Odd-Question-number>

4. A computer repair shop charges \$100 per hour for labour plus the cost of any parts used in the repair.

However, the minimum charge for any job is \$150. Develop a web application that will request from the user the number of hours worked and the cost of parts (which can be \$0) via a form and then print the charge for the job.

5. Develop a web application that requests a student name, number and the student's exam score out of 100 via a form.

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

6. A student is given 3 tests, each marked out of 100. The student passes if their average mark is greater than or equal to 50 and fails if their average mark is less than 50. Develop a web application that will request from the user 3 marks and print Pass if the student passes and fail if the student fails.

However, please note, that if a student fails initially by scoring less than 50 in their average, they will be given a make-up exam, with an attempt to pass the course. To now pass, the student must score above 65 in their mark or otherwise they will fail.

7. 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

8. The tax payable on taxable incomes 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
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Write a web application that will request the taxable income amount and via a form and calculate and print the tax payable on that amount.

9. A home mortgage authority requires a deposit on a home loan according to the following schedule:

Loan \$	Deposit
less than \$25 000	5% of loan value
\$25 000–\$49 999	\$1250 + 10% of loan over \$25 000
\$50 000–\$100 000	\$5000 + 25% of loan over \$50 000

10. Loans in excess of \$100 000 are not allowed. Develop a web application that will read a loan amount and compute and print the required deposit.

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