Q 1  Express \( f(x) = \begin{cases} 0 & -1 < x < 0 \\ 2 & 0 \leq x < 1 \end{cases} \) in terms of Fourier series.

Q 2  Using idea of even/odd functions express \( f(x) = \frac{x}{2}, -1 < x < 1 \) in terms of Fourier series.
Q 1 Express \( f(x) = \begin{cases} 2 & -2 < x < 0 \\ 1 & 0 \leq x < 2 \end{cases} \) in terms of Fourier series.

Q 2 Using idea of even/odd functions express \( f(x) = \frac{x^2}{2} \), \(-1 < x < 1\) in terms of Fourier series.