Shiny Assignment

1. Add a selectInput for different color names, returned from `colors()`.

   plot(1:10, pch = 19, cex = 1, col = "skyblue1")

2. Create a Bond Schedule

- Inputs: start date, tenor, coupon rate, yield to maturity.
- Output: coupon schedule (ignore public holidays), amount in table and plot. NPV

$$NPV = \frac{Cashflow1}{(1+yield)^1} + \frac{Cashflow2}{(1+yield)^2} + \ldots + \frac{LastCashflow}{(1+yield)^n}$$

For a Bond with fixed coupon

$$BondPrice = Coupon * \frac{1-(\frac{1}{(1+yield)^n})}{yield} + \left[MaturityValue * \frac{1}{(1+yield)^n}\right]$$