```
solution = DSolve[y'[t] == ((t - 1) / t) * y[t], y[t], t]
```

$$\left\{\left\{y[t] \to \frac{e^t c_1}{t}\right\}\right\}$$

In[59]:=
```
f[t_] = y[t] /. solution[[1]]

F[t_] = Table[f[t] /. c1 → j, {j, -5, 5}]

Plot[{F[t]}, {t, -5, 5}]
```

Out[61]=