

1. Write a Matlab function `mydec2bin` that returns a string with 52 places in the binary fraction for any positive decimal number (< 1) input (up to 16 digits to the right of the decimal point).

```
function y=mydec2bin(x)
```

```
%x is a double precision value strictly less than 1.
```

```
%y is an integer array with 52 entries ... these are zero or one
```

```
Test your code on the examples from class. (x=0.675, 0.625, 0.1)
```

2. Problems 1.35, 1.37, 1.39 in the book