

# Computer Architecture Practice - COM307P

## Lab - 2

### Double Precision Floating Point Multiplier

Done by : N Sree Dhyuti - CED19I027

Output :

```
Cmder C:\dhyut\ca\lab2\dpfpm_tb.v - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
C:\Users\dhyut>cd ca
C:\Users\dhyut\ca>cd lab2
C:\Users\dhyut\ca\lab2>iverilog -o mult dpfpm.v dpfpm_tb.v
C:\Users\dhyut\ca\lab2>vvp mult
VCD info: dumpfile mult.vcd opened for output.

s1 = 0, e1 = 10000000001, m1 = 1100011001100110011001100110011001100110011001100110011001100110,
s2 = 1, e2 = 10000000010, m2 = 00000110011001100110011001100110011001100110011001100110,
s = 1, e = 10000000100, m = 1101000111000010100011110101110000101000111101011011,

s1 = 1, e1 = 10000000001, m1 = 11000110011001100110011001100110011001100110011001100110,
s2 = 0, e2 = 10000000010, m2 = 00000110011001100110011001100110011001100110011001100110,
s = 1, e = 10000000100, m = 1101000111000010100011110101110000101000111101011011,

s1 = 0, e1 = 10000000001, m1 = 11000110011001100110011001100110011001100110011001100110,
s2 = 0, e2 = 10000010010, m2 = 00000110111101100010011001100110011001100110011001100110,
s = 0, e = 10000010100, m = 1101001011000001100001011100110001000100001110001110,

s2 = 1'b1; e2 = 11'b100000000010; m2 = 52'b0000001100110011001100110011001
C:\Users\dhyut\ca\lab2>
s1 = 1'b1; e1 = 11'b100000000001; m1 = 52'b110001100110011001100110011001
s2 = 1'b0; e2 = 11'b100000000010; m2 = 52'b0000001100110011001100110011001
```

THE END