CODTECH TASK 1

```
Code

module adder8bit (
input [7:0] a,
input [7:0] b,
input cin
output reg [7:0] sum,
output reg cout
);
always@(a,b,cin)
(cout,sum)=a+b+cin
```

Endmodule

Simulation result

	I	0.000 ns				
Name	Value	0 ns	200 ns	400 ns	600 ns	800 ns
▶ 🌃 sum[7:0]	01010011	01010011		01110011		
la cout	1					
▶ ■ a[7:0]	10000111	(10000111)		10010111		
▶ ■ b[7:0]	11001100	(11001100)		11011100		
⅓ cin	0					
					I.	
		X1: 0.000 ns				