

CODTECH TASK 1

8 bit adder

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

