

```
//example 1.13.a//  
clc  
//clears the screen//  
clear  
//clears all existing variables//  
t=9999+1;  
//total numbers//  
x=log2(t);  
//taking out power//  
y=round(x)+1;  
//no of bits required for straight binary  
encoding//  
disp(y,'no of bits required for straight binary  
encoding = ')
```