

# Query Execution in Column Store

**SELECT** sname

**FROM** students

**WHERE** gpa > 3.7

1. Look-up the sorted dictionary to find the *gpa* value 3.7
2. Calculate the binary code of the *gpa* value 3.7

Sorted Dictionary of gpa  
Code size: 5

gpa	
2.0	0th value => <b>b'00000</b> (binary code)
2.05	1st value => <b>b'00001</b> (binary code)
...	
3.7	24th value => <b>b'11000</b> (binary code)
...	
4.3	