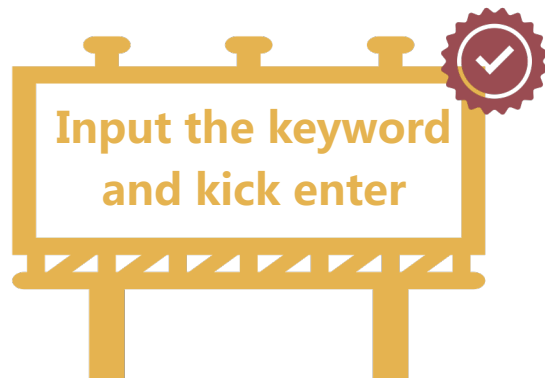
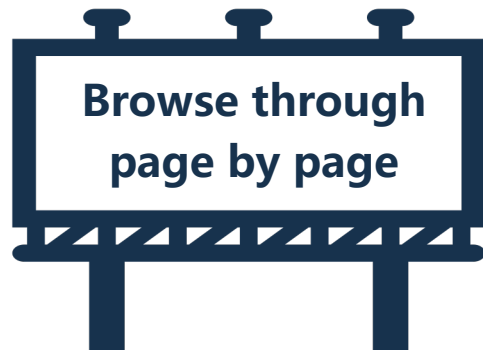
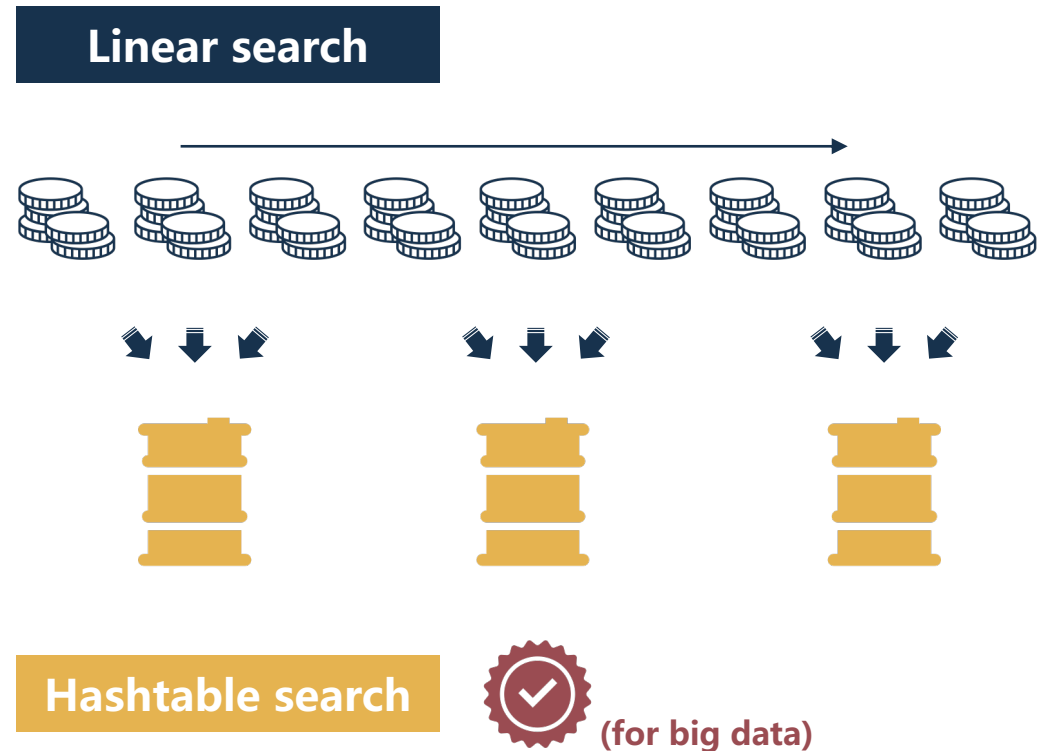


# What would you do ...

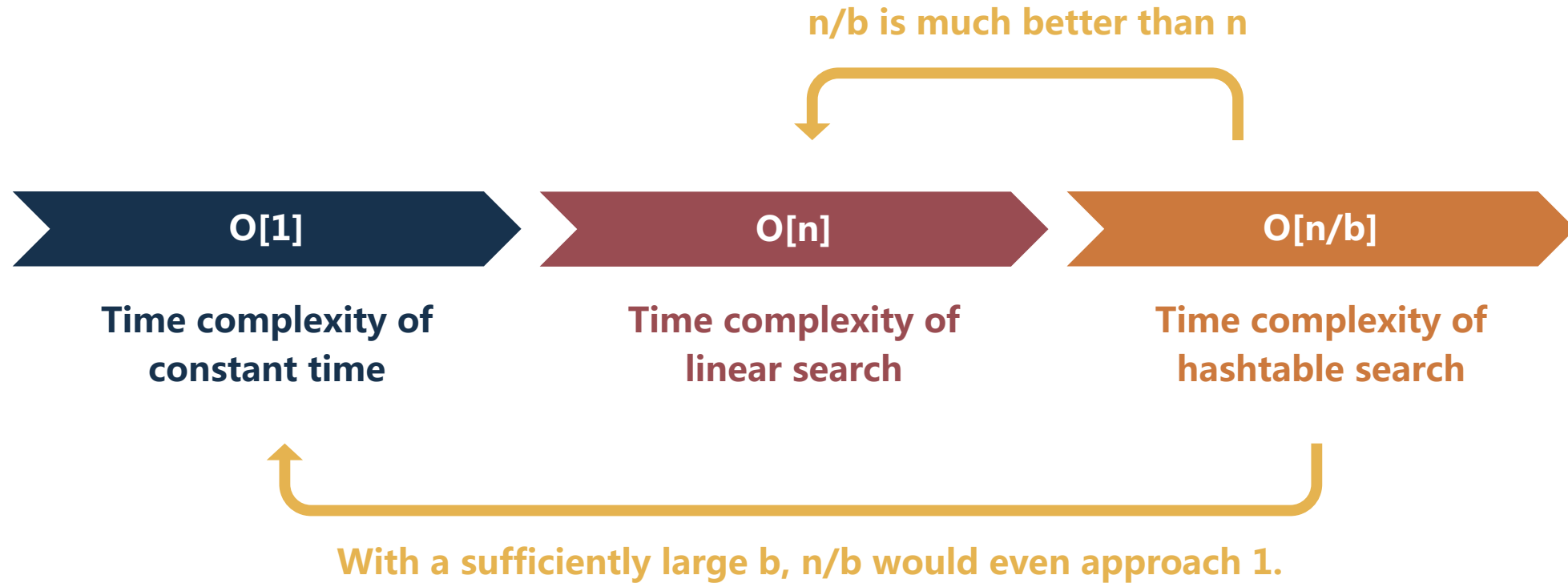
If you want to search a movie on google



If you want to extract information from millions of records



# Hash table improves searching efficiency significantly



"Big O notation" :  $O[N]$ , where  $N$  is the length of the dataset.