Size of the database:
Users : 1000
Categories: 5000
Products : 100,000
Sales : 1,000,000

Generate_report_customers:

Without any index and any sales filters : 1157 ms

hash index on sales.uid : 1140 ms
plus hash index on sales pid : 391 ms

With sales filters:

	without	with above two indexes	plus hash index on product.cid	
Category	984 ms	94 ms	32 ms	

	without	with above two indexes	plus btree index on users.age	
Age	1126 ms	453 ms	390 ms	

	without	with above two indexes	plus hash index on users.state	
State	565 ms	407 ms	279 ms	

	without	with the above two indexes	+users.age	+products.cid
Category and Age	1094 ms	109 ms	94 ms	30 ms

Generate_report_states:

Without any index and filters: 1657 ms
hash index on sales.uid : 1600 ms
plus hash index on sales pid : 1579 ms

With sales filters:

	without	with above two indexes	plus hash index on product.cid
Category	5344 ms	5107 ms	5062 ms

	without	with above two indexes	plus hash index on users.state
State	1969 ms	1813 ms	1504 ms