
QUERY PLAN

```

Merge Join (cost=0.62..1351.74 rows=8893 width=302) (actual time=0.130..45.729 rows=8897 loops=1)
  Merge Cond: (c.customerid = o.customerid)
    -> Index Scan using customers_pkey on customers c (cost=0.29..845.29 rows=20000 width=268) (actual time=0.030..45.729 rows=8897 loops=1)
    -> Index Scan using ix_order_custid on orders o (cost=0.29..345.29 rows=8893 width=30) (actual time=0.070..1.111 rows=8897 loops=1)
      Filter: (netamount > '100'::numeric)
      Rows Removed by Filter: 3103
Planning Time: 3.843 ms
Execution Time: 52.293 ms

```

QUERY PLAN

```

Sort (cost=7224521.31..7224543.54 rows=8893 width=302) (actual time=111918.890..111919.623 rows=8897 loops=1)
  Sort Key: c.customerid
  Sort Method: quicksort Memory: 2817kB
    -> Nested Loop (cost=0.00..7223938.00 rows=8893 width=302) (actual time=205.686..111816.823 rows=8897 loops=1)
      Join Filter: (c.customerid = o.customerid)
      Rows Removed by Join Filter: 177931103
      -> Seq Scan on customers c (cost=0.00..688.00 rows=20000 width=268) (actual time=8.168..31.380 rows=20000 loops=1)
      -> Seq Scan on orders o (cost=0.00..250.00 rows=8893 width=30) (actual time=0.006..4.604 rows=8897 loops=1)
        Filter: (netamount > '100'::numeric)
        Rows Removed by Filter: 3103
Planning Time: 0.777 ms
Execution Time: 111925.339 ms

```

QUERY PLAN

```

Sort (cost=1575.48..1590.32 rows=5934 width=304) (actual time=33.584..34.200 rows=5936 loops=1)
  Sort Key: o.netamount
  Sort Method: quicksort Memory: 1816kB
    -> Hash Join (cost=938.00..1203.58 rows=5934 width=304) (actual time=12.335..23.709 rows=5936 loops=1)
      Hash Cond: (o.customerid = c.customerid)
      -> Seq Scan on orders o (cost=0.00..250.00 rows=5934 width=30) (actual time=0.034..5.769 rows=5936 loops=1)
        Filter: (netamount > '200'::numeric)
        Rows Removed by Filter: 6064
      -> Hash (cost=688.00..688.00 rows=20000 width=268) (actual time=12.254..12.254 rows=20000 loops=1)
        Buckets: 32768 Batches: 1 Memory Usage: 4108kB
        -> Seq Scan on customers c (cost=0.00..688.00 rows=20000 width=268) (actual time=0.012..5.910 rows=20000 loops=1)
Planning Time: 1.154 ms
Execution Time: 40.343 ms

```
