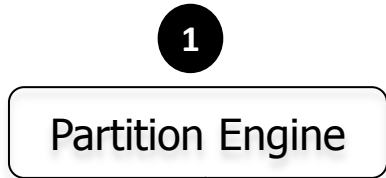
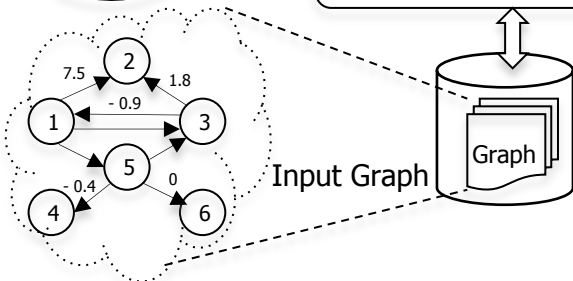
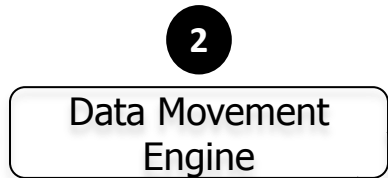


UserInfoTuple

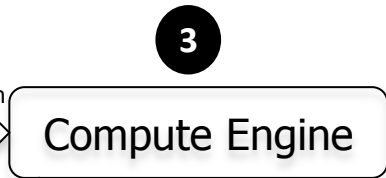
```
1. UserGather() {...}  
2. UserApply() {...}  
3. UserScatter() {...}  
4. VertexDataType  
5. EdgeDataType  
...
```



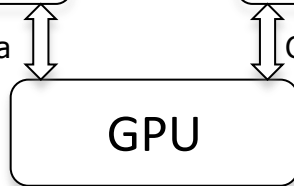
Partitioned
Graph



Shard
Synchronization



Data



Compute