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 Project 2 Part 2

In this implementation, I use Java JBMS to call SQL queries.

Part A and B

The following tables contain the data for parts A and B in their respective rows. Info_Gain represents the information gain between each gene and the patient status. Overlap represents the intersection of status and each gene, in other words, the number of times that the patients' mutations of a particular gene happen to coincide with status equal to 1.

When running this program, the console will return these tables. Similar to the previous project, I delegated the querying to another class and used another class to store a specific data type.

Part A

Gene	Info_Gain
APC	0.008763913604160845
KRAS	0.005940357186716483
SYNE1	0.0051155187816743775
FBXW7	0.003939023607610226
PIK3CA	0.003856636419189541

Part B

Gene	Info_Gain	Overlap
APC	0.008763913604160845	57
KRAS	0.005940357186716483	34
SYNE1	0.0051155187816743775	20
FBXW7	0.003939023607610226	16
PIK3CA	0.003856636419189541	14