Cust #	Cust Name	NRV - 2019 - 20	Opening Balance 2019		Opening Balance 2020	Salary per month	Loan Expenses	Food Expenses	Travelling Expenses	Credit Card Expenses	
FBBLRSAV0001	Anu		100000		334200	60000	648000	33400	65000	207400	A customer with housing loan and getting a salary of 60000
	19-Jan		160000	116400			27000	2000	10000	4600	
	19-Feb		176400	143400			27000	1000	0	5000	Savings Account
	19-Mar		203400	173200			27000	0	0	3200	FBBLRSAV0001
	19-Apr		233200	204200			27000	0	0	2000	FBBLRSAV0002
	19-May		264200	184200			27000	5000	30000	18000	FBBLRSAV0003
	19-Jun		244200	187200			27000	0	0	30000	
	19-Jul		247200	212200			27000	0	0	8000	Fixed Term Deposit
	19-Aug		272200	238200			27000	1000	0	6000	FBBLRFTD0001
	19-Sep		298200	265700			27000	1000	0	4500	FBBLRFTD0001
	19-Oct		325700	289700			27000	1000	0	8000	
	19-Nov		349700	318700			27000	1000	0	3000	
	19-Dec		378700	334200			27000	2500	0	15000	
	20-Jan	394200	331200				27000	5000	25000	6000	
	20-Feb	391200	358700				27000	1000	0	4500	
	20-Mar	418700	376200				27000	500	0	15000	
	20-Apr	436200	405200				27000	1000	0	3000	
	20-May	465200	433200				27000	1000	0	4000	
	20-Jun	493200	447000				27000	500	0	18700	
	20-Jul	507000	459500				27000	500	0	20000	
	20-Aug	519500	488100				27000	1000	0	3400	
	20-Sep	548100	512100				27000	3000	0	6000	
	20-Oct	572100	540100				27000	1000	0	4000	
	20-Nov	600100	567600				27000	2000	0	3500	
	20-Dec	627600	586200				27000	2400	0	12000	
								Food Expenses	Travelling Expenses	Credit Card Expenses	
FBBLRSAV0002	Ben		1000		337600	35000	60000	31700	15000	123000	
	19-Jan		36000	28000				5000	2000	0	1000 An account of a customer who has just got into a job
	19-Feb		63000	57500				5000	500	0	0 With a vehicle loan
	19-Mar		92500	87000				5000	500	0	0
	19-Apr		122000	117000				5000	0	0	0
	19-May		152000	141500				5000	500	5000	0
	19-Jun		176500	171500				5000	0	0	0
	19-Jul		206500	201500				5000	0	0	0
	19-Aug		236500	231500				5000	0	0	0
	19-Sep		266500	260500				5000	1000	0	0
	19-Oct		295500	290300				5000	200	0	0
	19-Nov		325300	320100				5000	200	0	0
	19-Dec		355100	337600				5000	2500	10000	0
FBBLRSAV0003	Chitra		1000		296600	10000	0	13400	0	61000 A customer who has a regular savings acount who gets an monthly pocket money of 10000	
	19-Jan		11000	8000				0	2000	0	1000
	19-Feb		18000	17500				0	500	0	0
	19-Mar		52500	52000				0	500	0	0
	19-Apr		87000	86000				0	1000	0	0
	19-May		121000	100500				0	500	0	20000
	19-Jun		135500	135500				0	0	0	0
	19-Jul		170500	170500				0	0	0	0
	19-Aug		205500	200500				0	5000	0	0
	19-Sep		235500	219500				0	1000	0	15000
	19-Oct		254500	254300				0	200	0	0
	19-Nov		289300	264100				0	200	0	25000
	19-Dec		299100	296600				0	2500	0	0
FBBLRFTD0001	Akash										

Cust #	Cust Name	ChatString	ProductsIntent
FBBLRSAV0001	Anu Atomwala	Can you give me total salary credited in last quarter?	salary
FBBLRSAV0001	Anu Atomwala	Can I know maturity details of deposits booked against my account?	Deposits
FBBLRSAV0001	Anu Atomwala	How can I know trading details of tlast two quarters?	Demat account
FBBLR0000001	Anu Atomwala	What are tax deductions for current financial year?	deductions
FBBLR0000001	Anu Atomwala	Can you give me breakup of salary deductions for financial year ?	arrears
FBBLR0000002	Ben Frank Lin	What is loan tenure for loan against shares?	tenure
FBBLR0000002	Ben Frank Lin	Can you provide foreclosure conditions for Vidya loans taken?	foreclosure
FBBLR0000002	Ben Frank Lin	I want to know tenure for business loans provided by bank.	tenure
FBBLR0000003	Chitra Anna	I would like to know gift value of gift card issued against my account.	gift value
FBBLR0000003	Chitra Anna	Can I know balance of gift card issued against my account?	balance
FBBLR0000003	Chitra Anna	What is validity of gift card issued against my account?	validity
FBBLR0000003	Chitra Anna	Please provide emi calculation details for credit loan against my credit card.	emi on credit loan
FBBLR0000003	Chitra Anna	What are documents required for creadit card loan processing?	credit card loan
FBBLR0000003	Chitra Anna	Can you please provide expiry details of my credit card?	expiry
FBBLR0000003	Chitra Anna	I want to know deposit details booked against my account.	deposit
FBBLR0000003	Chitra Anna	I want to know money in my savings account.	money in savings
FBBLR0000100	Sharon Kankad	Can you give me total salary credited in last quarter?	salary
FBBLR0000100	Sharon Kankad	What is loan tenure for loan against shares?	tenure
FBBLR0000100	Sharon Kankad	Can you provide foreclosure conditions for Vidya loans taken?	foreclosure
FBBLR0000100	Sharon Kankad	I want to know tenure for business loans provided by bank?	tenure
FBBLR0000100	Sharon Kankad	Can you provide detiails of premium amount to be paid for dependents ?	dependent
FBBLR0000100	Sharon Kankad	I want to know list of netowrk hospitals convered under my health insurance.	network hospitals
FBBLR0000100	Sharon Kankad	What is premium amount due against my insurance policy for this financial year?	premium
FBBLR0000100	Sharon Kankad	What is coverage available for current policy taken for my family ?	coverage
FBBLR0000100	Sharon Kankad	I want to know deposit details booked against my account.	deposit
FBBLR0000123	Kishore Kumar	Can you give me total salary credited in last two quarters?	salary
FBBLR0000123	Kishore Kumar	I want to know surcharges levied against purchases for last quarter.	deposit
FBBLR0000123	Kishore Kumar	I want to know details of cobrand prepaid cards.	co-brand prepaid cards
FBBLR0000123	Kishore Kumar	How can I use contactless debit cards?	co-brand prepaid cards
FBBLR0000123	Kishore Kumar	What is coverage available for current policy taken for my family ?	coverage
FBBLR0000123	Kishore Kumar	What was premium amount paid for last financial year?	premium
FBBLR0000004	Dilip S	I want to know details of interest calculation for tax saving deposits.	deposit
FBBLR0000004	Dilip S	What is coverage available for current policy taken for my family?	coverage
FBBLR0000004	Dilip S	Can you provide details of premium amount to be paid for dependents ?	dependent
FBBLR0000004	Dilip S	I would like to know how to get connected with my Relationship Manager.	Relationship Manager
FBBLR0000004	Dilip S	I want to get account statement of my wealth account for last financial year.	Wealth Account
FBBLR0000004	Dilip S	What are details required for opening a Family Account?	Family Account
FBBLR0000005	Eshwar Swamy	How do I open a Kids Savings account ?	Kids Savings
FBBLR0000005	Eshwar Swamy	What are benefits available for Senior citizens for opening a zero balance account?	Senior Citizens
FBBLR0000005	Eshwar Swamy	What are documents required for availing business loans against my account?	business loans
FBBLR0000005	Eshwar Swamy	What is eligible amount which I can take as 'Animal Husbandry loan'?	Animal Husbandry
FBBLR0000005	Eshwar Swamy	What is amount which I can avail as education loan for coming financial year?	education loan
FBBLR0000005	Eshwar Swamy	I want to know currency rates which was considered for overseas travel which was for last quarter.	overease trip
FBBLR0000101	Gowri Lal	Can you give me total salary credited in last financial year?	salary
FBBLR0000101	Gowri Lal	I want to know deposit details booked against my account for last financial year.	deposit
FBBLR0000101	Gowri Lal	What is loan amount which can be availed as housing loan based on my financial status?	housing loan
FBBLR0000101	Gowri Lal	What are documents required for availing a housing loan for buying a flat?	flat
FBBLR0000101	Gowri Lal	What is interest rate for loan which I can avail against my credit card?	credit card loan
FBBLR0000101	Gowri Lal	Can you provide detiails of premium amount to be paid for my family insurance?	family plan
FBBLR0000101	Gowri Lal	I want to know list of network hospitals convered under my health insurance.	network hospitals
FBBLR0000101	Gowri Lal	What is premium amount due against my insurance policy for this financial year?	premium
FBBLR0000102	Harish K	Can you give me total salary credited in last two financial years.	salary
FBBLR0000103	Jack Pa	What are details required for opening a Family Account?	Family Account
FBBLR0000103	Jack Pa	How do I open a Kids Savings account ?	Kids Savings
FBBLR0000103	Jack Pa	What are benefits available for Senior citizens for opening a zero balance account?	Senior Citizens
FBBLR0000103	Jack Pa	What are documents required for availing a housing loan for buying a site?	site
FBBLR0000103	Jack Pa	What is interest rate for loan which I can avail against my credit card?	credit card loan
FBBLR0000103	Jack Pa	I want to get statement of wealth account for last financial year?	wealth account
FBBLR0000104	Leela Das	Can you give me total salary credited in last financial year?	salary
FBBLR0000104	Leela Das	I want to get account statement of all transactions using my debit card for past two quarters.	debit card
FBBLR0000104	Leela Das	What is down payment amount against by debit card loan for anount of Rs 2lakhs?	down payment

AccountNumber	CustomerName	CurrentProductCode	CurrentProductName	NRV2019-20	OpeningBalance2019	AvgCreditPerMonth	LoanExpenses	FoodExpenses	TravellingExpenses	CreditCardExpenses	NewProductInterest	RecommendedProduct1	RecommendedProduct2	RecommendedProduct2
FBBLR0000001	Anu Atomwala	FDRLCORE01	FedSalary Premium	56000	100000	60000	648000	33400	65000	207400				
FBBLR0000001	Anu Atomwala	FDRLCORE02	Deposits	56000	40000	10000	0	0	0	0				
FBBLR0000001	Anu Atomwala	FDRLCORE03	Demat account	56000	25000	5000	0	0	0	0				
FBBLR0000002	Ben Frank Lin	FDRLCORE01	FedSalary Premium	25000	1000	35000	60000	31700	15000	123000				
FBBLR0000002	Ben Frank Lin	FDRLLOAN05	Other Loans	25000	5000	10000	0	0	0	0				
FBBLR0000002	Ben Frank Lin	FDRLINSH24	Health Insurance	25000	1500	1400	0	0	0	0				
FBBLR0000003	Chitra Anna	FDRLCORE04	Other types of Savings Account	38500	1000	12500	0	0	0	0				
FBBLR0000003	Chitra Anna	FDRLCARD13	Credit Cards	38500	45000	15000	0	0	0	0				
FBBLR0000003	Chitra Anna	FDRLCARD16	Gift Cards	38500	15000	0	0	0	0	0				
FBBLR0000003	Chitra Anna	FDRLCORE02	Deposits	38500	5000	10000	0	0	0	0				
FBBLR0000003	Chitra Anna	FDRLCARD19	Co-brand prepaid cards	38500	1000	3450	0	0	0	0				
FBBLR0000100	Sharon Kankad	FDRLCORE01	FedSalary Premium	66000	1000	127500	0	0	0	0				
FBBLR0000100	Sharon Kankad	FDRLLOAN05	Other Loans	66000	340000	0	0	0	0	0				
FBBLR0000100	Sharon Kankad	FDRLINSH24	Health Insurance	66000	2500	0	0	0	0	0				
FBBLR0000100	Sharon Kankad	FDRLCORE02	Deposits	66000	25000	10000	0	0	0	0				
FBBLR0000123	Kishore Kumar	FDRLCORE01	FedSalary Premium	69000	6000	78000	0	20000	125000	190000				
FBBLR0000123	Kishore Kumar	FDRLCORE02	Deposits	69000	49000	10000	0	0	0	0				
FBBLR0000123	Kishore Kumar	FDRLCARD19	Co-brand prepaid cards	69000	3000	7500	0	0	0	0				
FBBLR0000123	Kishore Kumar	FDRLINSH24	Health Insurance	69000	3500	3245	0	0	0	0				
FBBLR0000004	Dilip S	FDRLCORE02	Deposits	23500	25000	32000	0	0	0	0				
FBBLR0000004	Dilip S	FDRLINSH24	Health Insurance	23500	2500	700	0	0	0	0				
FBBLR0000004	Dilip S	FDRLWLTH21	Wealth Management	23500	1500	5000	0	0	0	0				
FBBLR0000005	Eshwar Swamy	FDRLCORE04	Other types of Savings Account	57000	20000	12700	2400000	16000	98700	45000				
FBBLR0000005	Eshwar Swamy	FDRLLOAN05	Other Loans	57000	12000	9763	0	0	0	0				
FBBLR0000005	Eshwar Swamy	FDRLLOAN11	Education and Career Loans	57000	2000	21300	0	0	0	0				
FBBLR0000005	Eshwar Swamy	FDRLCARD17	Forex Card	57000	3000	9000	0	0	0	0				
FBBLR0000005	Eshwar Swamy	FDRLCARD18	EMI on Debit Card	57000	1500	7500	0	0	0	0				
FBBLR0000101	Gowri Lal	FDRLCORE01	FedSalary Premium	64500	70000	82000	200000	2000	15000	7000				
FBBLR0000101	Gowri Lal	FDRLCORE02	Deposits	64500	10000	10000	0	0	0	0				
FBBLR0000101	Gowri Lal	FDRLLOAN09	Housing Loans	64500	17000	27000	0	0	0	0				
FBBLR0000101	Gowri Lal	FDRLCARD13	Credit Cards	64500	15000	15000	0	0	0	0				
FBBLR0000101	Gowri Lal	FDRLINSH24	Health Insurance	64500	2000	5750	0	0	0	0				
FBBLR0000102	Harish K	FDRLCORE01	FedSalary Premium	10000	15000	32000	35000	0	2500	0				
FBBLR0000103	Jack Pa	FDRLCORE04	Other types of Savings Account	17000	25000	27000	20000	6000	55000	34000				
FBBLR0000103	Jack Pa	FDRLLOAN10	Property Loans	17000	350000	11000	0	0	0	0				
FBBLR0000103	Jack Pa	FDRLCARD13	Credit Cards	17000	15000	9500	0	0	0	0				
FBBLR0000103	Jack Pa	FDRLWLTH21	Wealth Management	17000	2000	12000	0	0	0	0				
FBBLR0000104	Leela Das	FDRLCORE01	FedSalary Premium	32000	45000	200500	45000	12000	15000	6000				
FBBLR0000104	Leela Das	FDRLCARD14	Debit Cards	32000	50000	200500	0	0	0	0				
FBBLR0000104	Leela Das	FDRLCARD18	EMI on Debit Card	32000	3000	17000	0	0	0	0				

ProductCode	Products	Labels	Correlations
FDRLCORE01	Salary Accounts	['salary','total salary','deductions','tax deducted','arrears']	['FDRLLOAN06', 'FDRLCARD13']
FDRLCORE02	Deposits	['deposit','credit','surcharge','emi payment','money in bank','money in account','money in savings','refund']	['FDRLINSV20','FDRLWLTH21','FDRLNPSC23']
FDRLCORE03	Demat Accounts	['trading account','stock trading','demat','equity trading','securities','shares','sell shares','buy shares']	['FDRLTRAD22','FDRLLOAN06']
FDRLCORE04	Noor Personal Accounts	['Basic Savings','Kids Savings','Womens Savings','Zero Balance','Senior Citizens', 'Salary', 'Regular Account']	['FDRLLOAN09','FDRLCARD15','FDRLNPSC23','FDRLINSV20']
FDRLLOAN05	Other Loans	['loan','emi on loan','tenure','loan rate', 'foreclosure' ,'default']	['FDRLINSV20']
FDRLLOAN06	Personal Loans	['personal loan','emi on loan','tenure','loan rate', 'foreclosure' ,'default']	['FDRLINSV20']
FDRLLOAN07	Gold Loans	['gold loan','emi on loan','tenure','loan rate', 'foreclosure' ,'default']	['FDRLINSV20']
FDRLLOAN08	Car Loans	['car loan','vehicle loan','emi on loan','tenure','loan rate', 'foreclosure' ,'default']	['FDRLINSV20']
FDRLLOAN09	Housing Loans	['housing loan', 'villa', 'apartment', 'flat','interest rate','emi']	['FDRLINSV20']
FDRLLOAN10	Property Loans	['housing loan', 'property', 'site', 'land','interest rate','emi']	['FDRLINSV20']
FDRLLOAN11	Education and Career Loans	['study loan','education loan','higher studies loan','interest rate','emi']	['FDRLLOAN06','FDRLINSV20']
FDRLLOAN12	Other Loans	('business loans','Animal Husbandry',Vidhya loan')	[]
FDRLCARD13	Credit Cards	['credit','emi on credit loan','interest','credit card loan','expiry','validity']	['FDRLCARD15']
FDRLCARD14	Debit Cards	['savings','current','expiry','validity','debit card']	['FDRLCARD15']
FDRLCARD15	Contactless Cards	['contactless payment','contactless smartcard']	[]
FDRLCARD16	Gift Cards	['gift value','balance','expiry','validity','visa gift card','egift card','personalised']	['FDRLINSV20']
FDRLCARD17	RFC Domestic Account	['foreign currency','overseas trip','overseas travel','expiry','validity','conversion rate']	['FDRLCARD15']
FDRLCARD18	EMI on Debit Card	['Security Deposit','Down Payment','merchant store','tenure']	['FDRLLOAN06']
FDRLCARD19	Co-brand prepaid cards	['salary card','cashless payment','expense card','prepaid card','cobranded card']	['FDRLCARD15']
FDRLINSV20	Insurance	['premium','family plan','life','benefit','maturity','period','coverage']	[]
FDRLWLTH21	Wealth Management	['Relationship Manager','Family Account','Wealth Account','Welth Savings']	['FDRLCORE04']
FDRLTRAD22	Fed-e-Trade (Online Trading)	['trading account','stock trading','e-trading','equity trading','securities','shares','sell shares','buy shares']	['FDRLCORE03']
FDRLNPSC23	National Pension System	['pension scheme','eNPS','premium','tenure','retirement plan','nps tier']	['FDRLINSH24']
FDRLINSH24	Health Insurance	['premium','family','co payment','dependent','coverage','parent','cashless','network hospitals']	[]