

Accounts

Fixed Deposit

Account Exists

```
function CHECK_ACCOUNT_EXISTS_F_D
    input :- account_id
    output :- array['status'] / false
```

This function is used to determine if an account exists or not, if it does exist, then an array is returned with array['status'] gives the value of status of the account_id, whether it is open or close, if the account does not exist false is returned.

Add Account

```
function F_D_add_account
    input :- account_start_date, account_start_time,
    initial_amount_deposited, account_end_date,
    interest_computation_interval,
    output :- account_id, false
```

eligible_for_tax

This function is used to create a new account, if the account is successfully created, the function returns account_id, if not created due to some reasons it will give Boolean value "false" in PHP.

Loan

```
function F_D_loan
    input :- account_id, initial_loan_amount, loan_start_date,
    loan_end_date
    output :- true / false
```

This function is used when loan is taken on fixed deposit. It will add an entry in F_D_L_D table. If task is successful Boolean "true" is returned, else "false" is returned.

Withdrawal

```
function F_D_withdrawal
    input :- account_id, premature_withdrawal, withdrawal_time,
```

withdrawal_date, amount_withdrawn, withdrawal_medium,
transfer_to_account_id
output :- true / false

This function is used when he/ she withdraws his/ her fixed deposit, if withdrawal is successful it's entry is made in the F_D_W_D and F_D_CI_D table, account status set to CLOSE in F_D_A_I_D table and any other information regarding this account is deleted from database. Boolean "true" is returned if task is successful, else "false" is returned.

Close Account

function F_D_close_account
input :- account_id, remaining_balance, account_close_date,
account_close_time
output :- account_id, true / false

This function is used to close the account, if the account is successfully closed it's entry is made in the F_D_CI_D table, account status set to CLOSE in F_D_A_I_D table and any other information regarding this account is deleted from database. Boolean "true" is returned if task is successful, else "false" is returned.