

# Mid Semester Project

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**Task:** Implement a simple banking system.

## How To Compile & Run

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Navigate to the project's directory in the terminal.

### Using Make

If you have `make` installed, run the listed commands to compile and run different aspects of the program.

- Run the main program:

```
make
```

- Test the Bank class functionalities:

```
make test-bank
```

- Test the BankAccount class functionalities:

```
make test-bank-account
```

- Test the SavingsAccount class functionalities:

```
make test-savings-account
```

- Test the CheckingsAccount class functionalities:

```
make test-checkings-account
```

### Manually in The Terminal

- Run the main program:

```
g++ *.cpp *.h -o main.out  
./main.out
```

- Test the Bank class functionalities:

```
g++ ./Bank* ./CheckingAccount* ./SavingsAccount* ./tests/test_bank.cpp -o ./tests/test_bank  
./tests/test_bank
```

- Test the BankAccount class functionalities:

```
g++ ./BankAccount* ./tests/test_bank_account.cpp -o ./tests/test_bank_account  
./tests/test_bank_account
```

- Test the SavingsAccount class functionalities:

```
g++ ./BankAccount* ./SavingsAccount* ./tests/test_savings_account.cpp -o ./tests/test_savings_account  
./tests/test_savings_account
```

- Test the CheckingsAccount class functionalities:

```
g++ ./BankAccount* ./CheckingAccount* ./tests/test_checkings_account.cpp -o ./tests/test_checkings_account  
./tests/test_checkings_account
```