Phillip Salazar

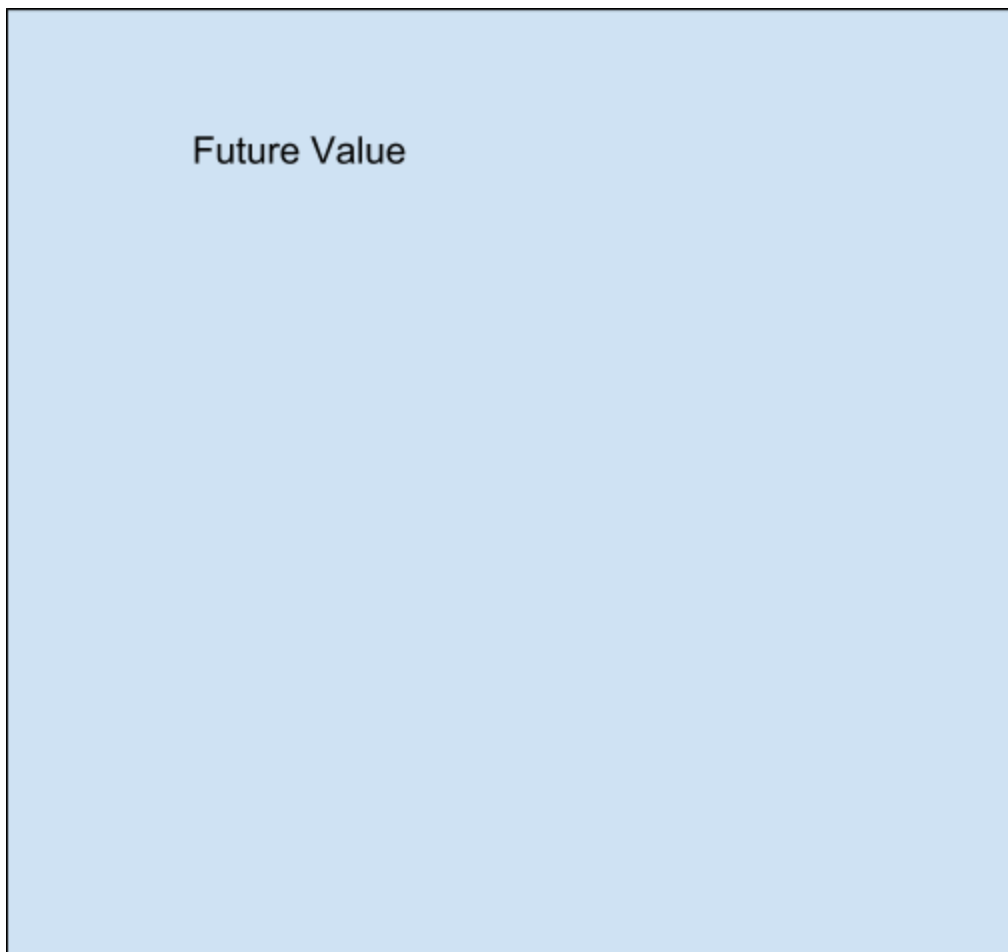<center>Lab 5 part 1</center>

Problem statement:

Make a Program that calculate future value of the account.
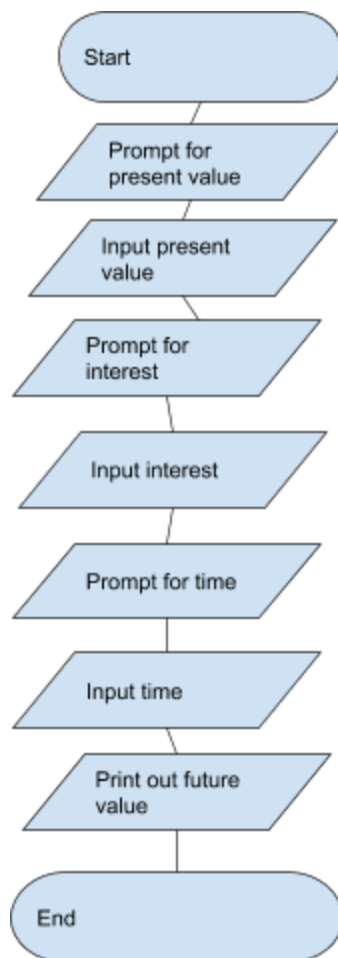
Output:

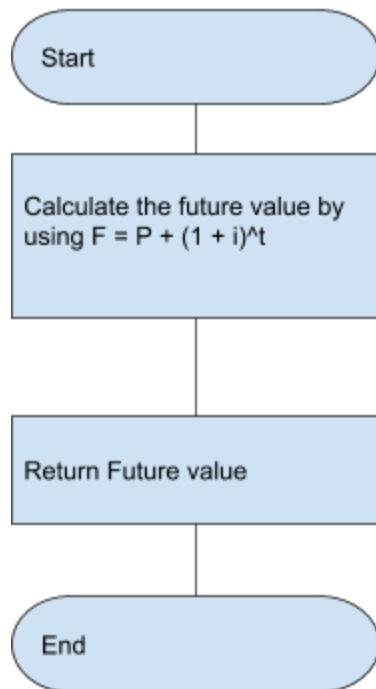Your Future value is: 179.586

FlowChart:

Future Value

Pseudo code for main function:

```
Start

Prompt for
present value

Input present
value

Prompt for
interest

Input interest

Prompt for time

Input time

Print out future
value

End
```

1. Start program
2. Prompt for present value
3. Input present value
4. Prompt for interest
5. Input interest
6. Prompt for time
7. Input time
8. Print out the future value
9. End

Pseudo code for function:

```
Start

Calculate the future value by
using F = P + (1 + i)^t

Return Future value

End
```

1. Start function
2. Caleculate future value using F = P + (1 + i)^t
3. Return Future Value
4. End function

Input:


```
Terminal File Edit View Search Terminal Help
philiip@mr-grey:~/Documents/cpp_projects/Programming-one/lab5$ ./lab5

Please enter present value of the account: 100

Please enter interested rate: 0.05

Please enter the amount time of time in month: 12
```

Output:


```
Terminal File Edit View Search Terminal Help
philiip@mr-grey:~/Documents/cpp_projects/Programming-one/lab5$ ./lab5

Please enter present value of the account: 100

Please enter interested rate: 0.05

Please enter the amount time of time in month: 12

 Your future value is: 179.586
philiip@mr-grey:~/Documents/cpp_projects/Programming-one/lab5$
```

User instruction:

Type on the terminal ./lab5 then insert your values, and read the output.

Comments:

Simple program, nothing really to comment to.