

Habit Tracker

By Muhammad Ali



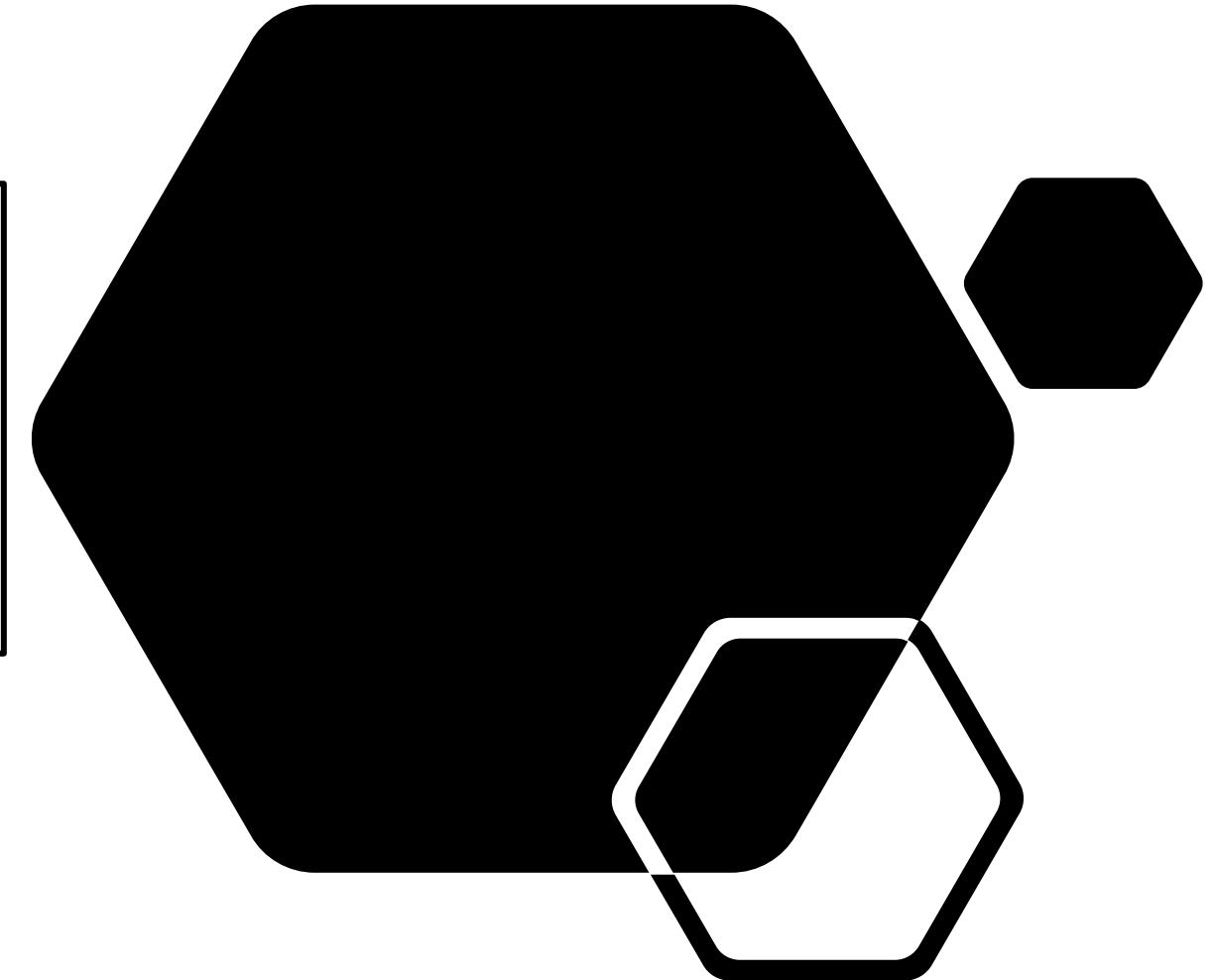
Agenda

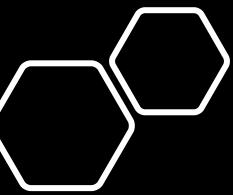
Flow Chart Diagram

Display User
Interaction & Outputs

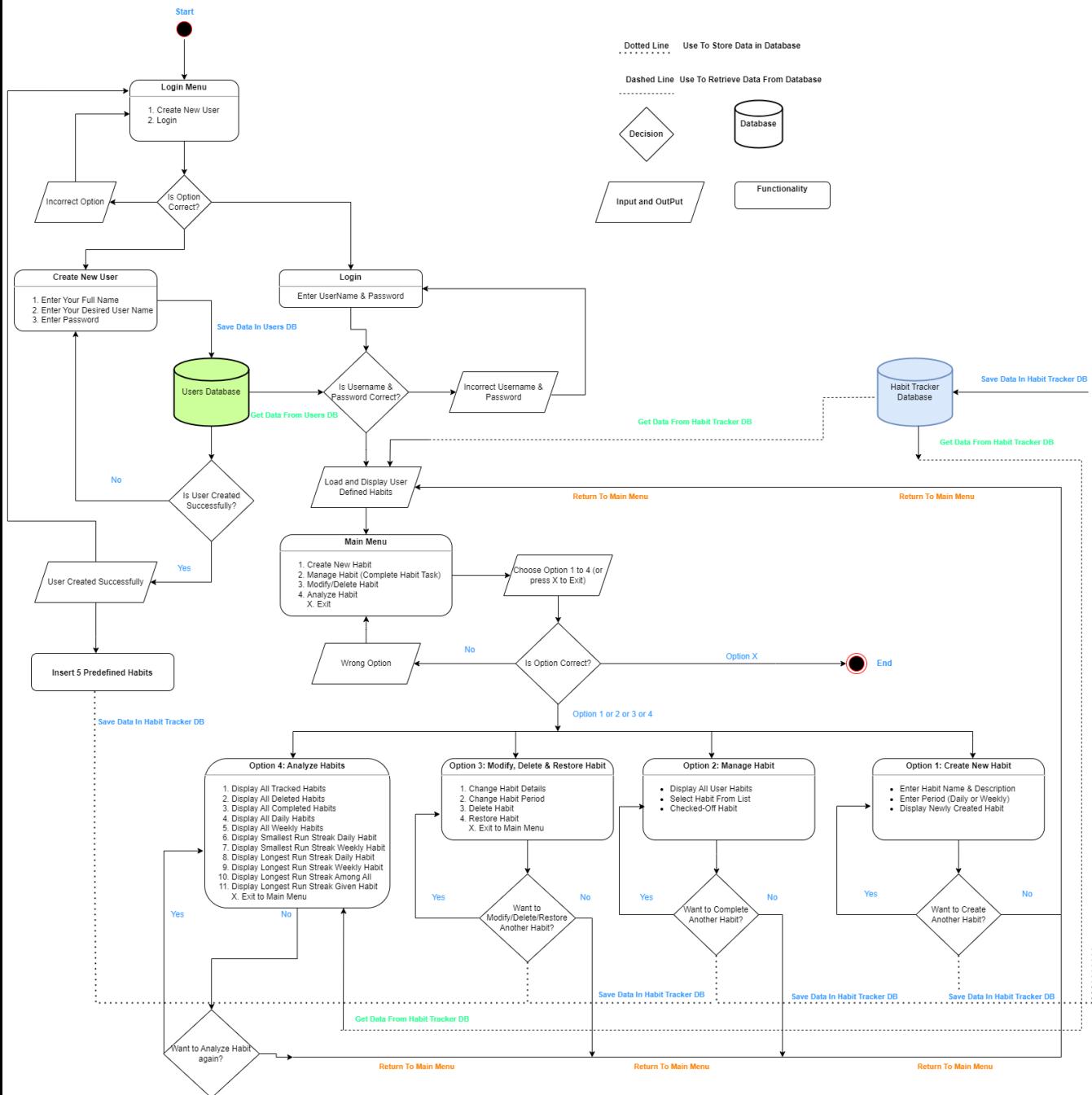
Pytest Result

Flow Chart Diagram

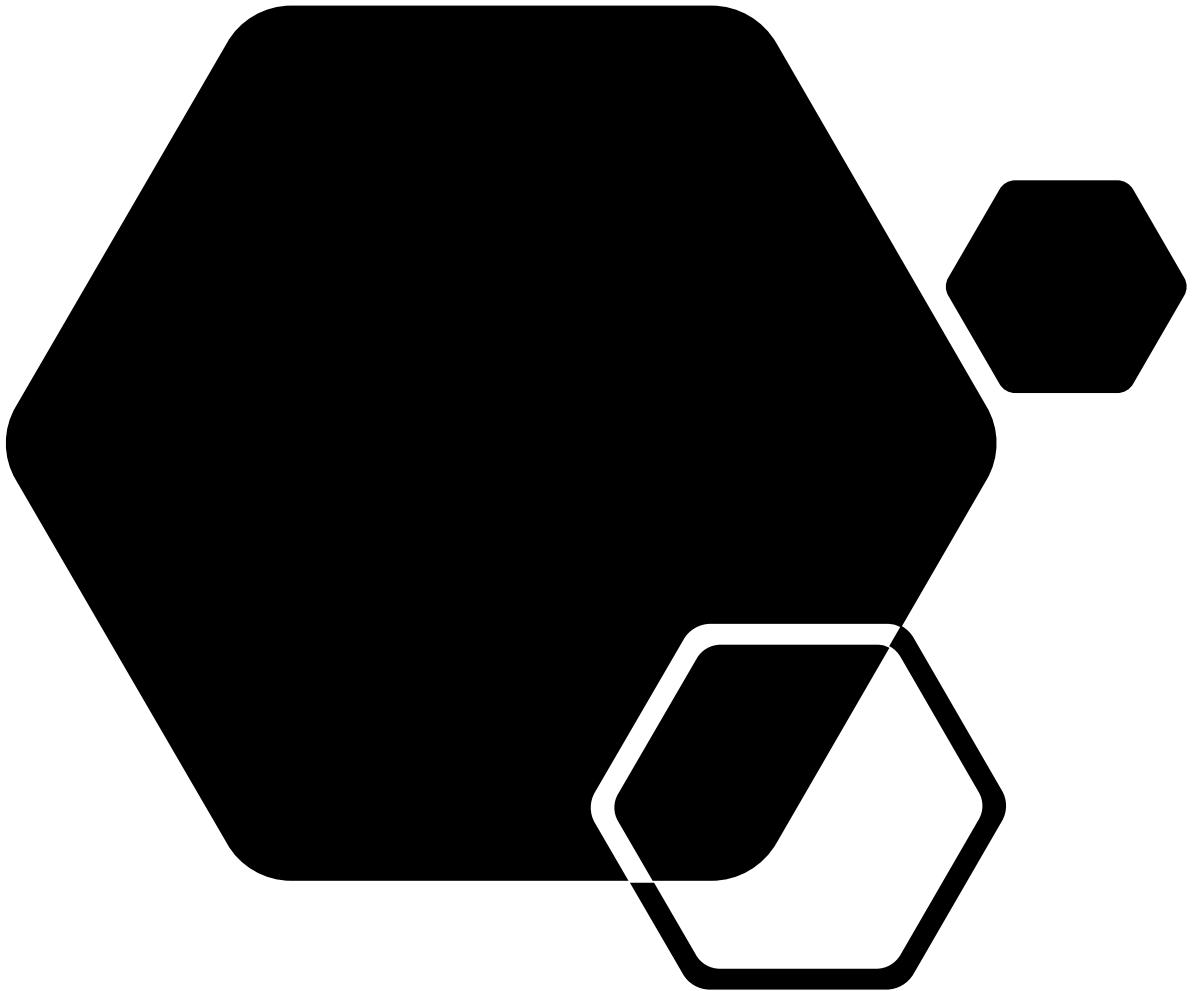


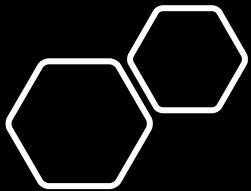


Flow Chart



User Interaction & Output



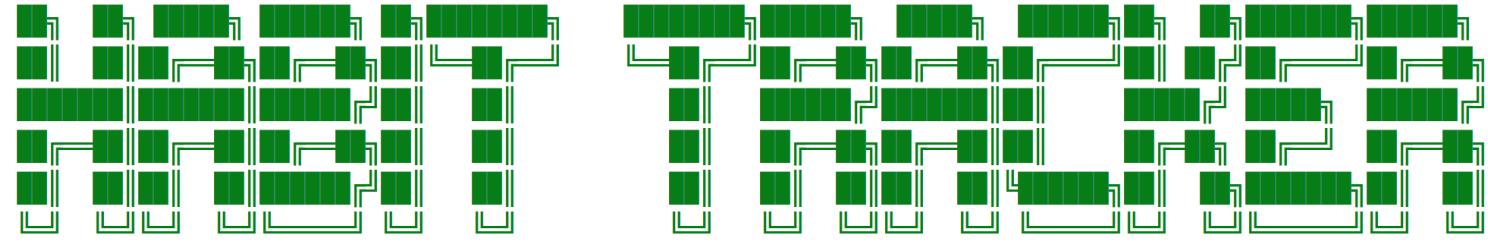


Habit Tracker Login Menu

When program starts, Habit Tracker Login
Menu will appear

There are two options

- Create New User
- Login



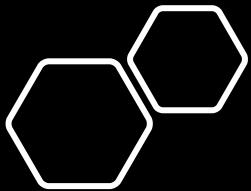
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*****
**      Habit Tracker Login Menu      ***
*****
```

1. Create New User
2. Login

Enter Your Choice (or Press 'q' or 'Q' to Exit): |

Create User



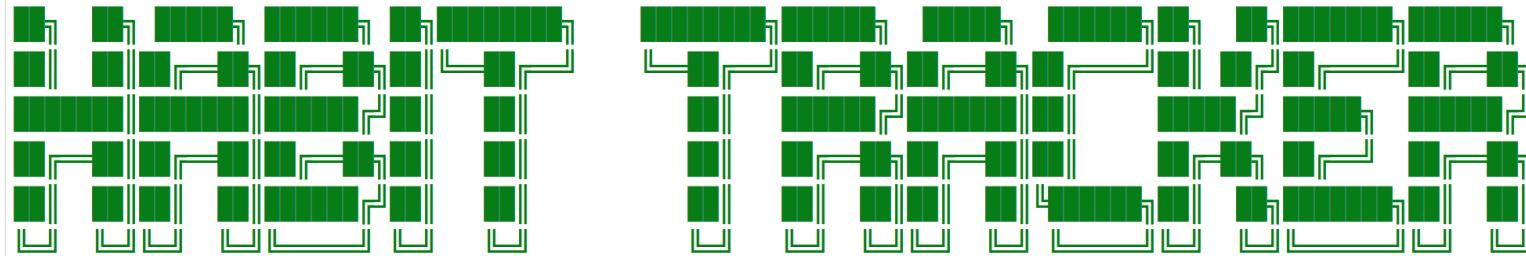


Create New User

User can create new user by selecting option 1

User is prompted to enter

- Full Name
- Desired UserName
- Password



```
*****
**      Habit Tracker Login Menu      **
*****
```

1. Create New User

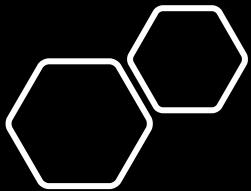
2. Login

Enter Your Choice (or Press 'q' or 'Q' to Exit): 1

Enter Your Full Name: Muhammad Ali

Enter Your Desired User Name: mali1225

Enter Your Password: kaaba786

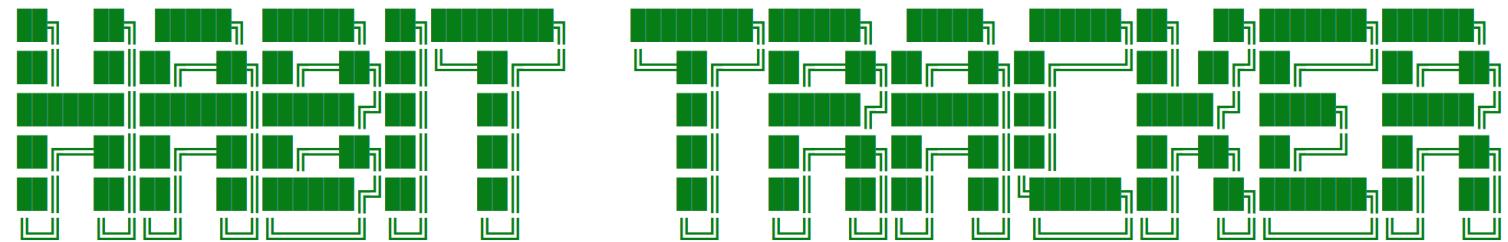


Create New User

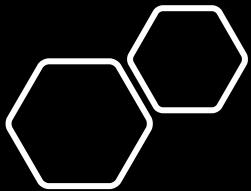
Once user is created successfully, user will get a message that:

“User Created Successfully.”

“8 Predefined Habits Has Been Added To Your Tracker”



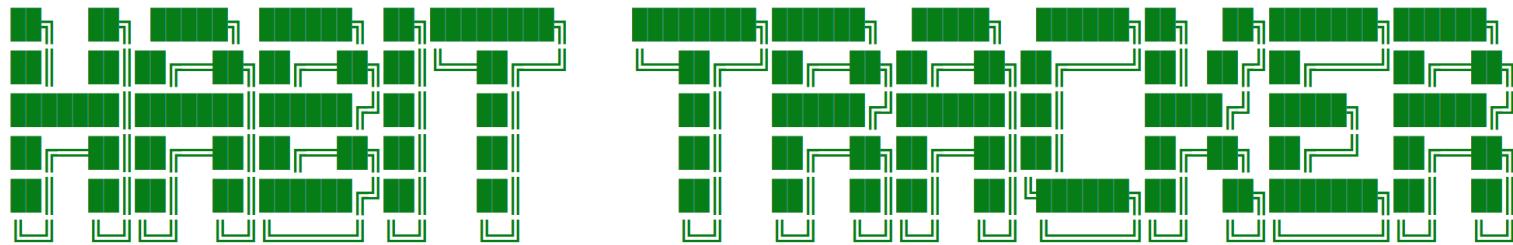
```
*****
**      Habit Tracker Login Menu      ***
*****  
  
1. Create New User  
2. Login  
Enter Your Choice (or Press 'q' or 'Q' to Exit): 1  
  
Enter Your Full Name: Muhammad Ali  
  
Enter Your Desired User Name: mali1225  
  
Enter Your Password: kaaba786  
  
User Muhammad Ali ( mali1225 ) Created Successfully.  
8 Predefined Habits Has Been Added To ( mali1225 ) Tracker....
```



Create New User

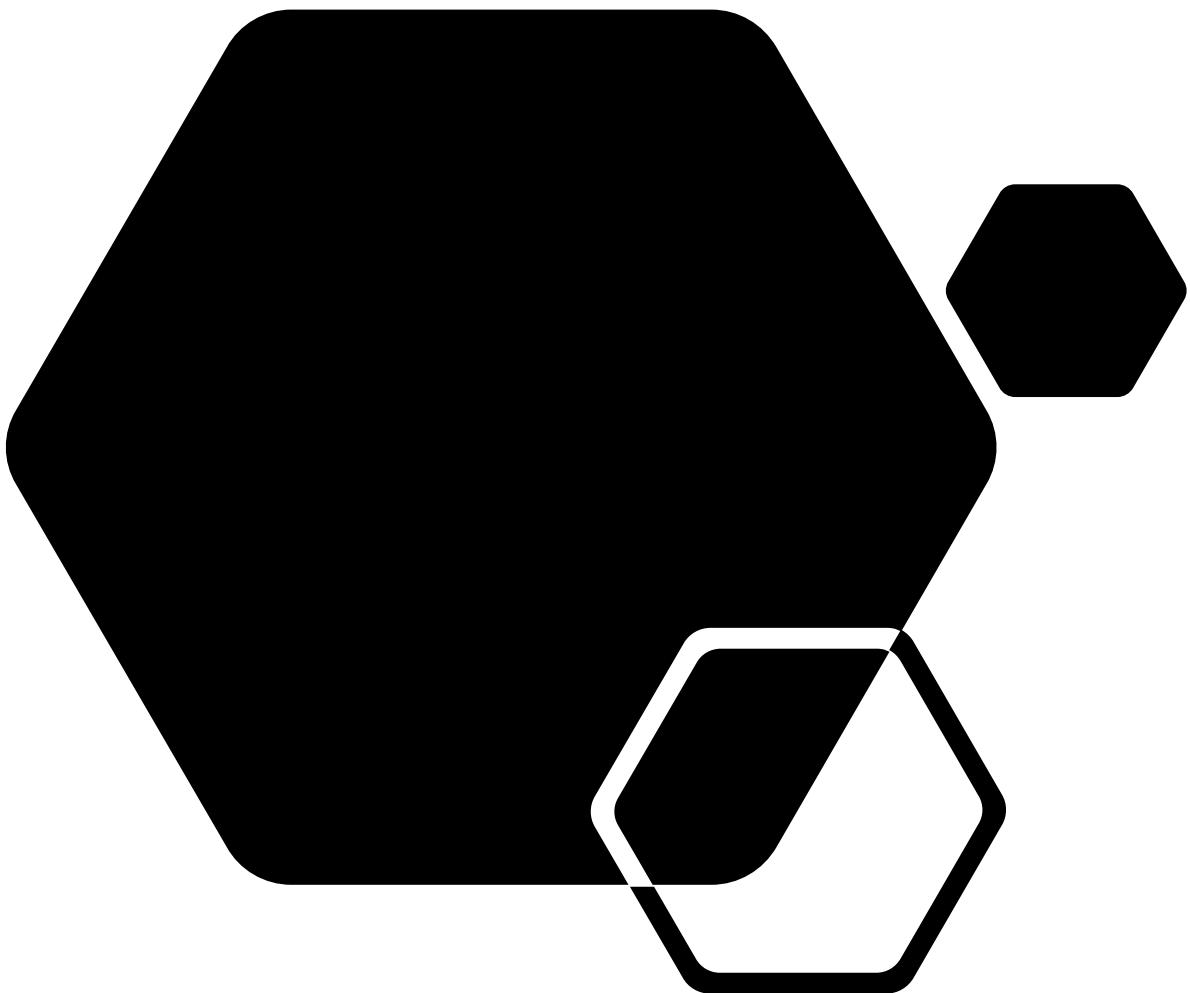
If Desired Username is already taken, user will get an error message that:

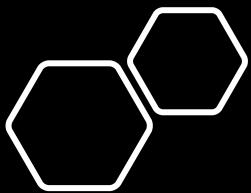
**“Username already taken.
Please choose different
username”**



```
*****
**      Habit Tracker Login Menu      ***
*****  
  
1. Create New User  
2. Login  
Enter Your Choice (or Press 'q' or 'Q' to Exit): 1  
  
Enter Your Full Name: Muhammad Ali  
  
Enter Your Desired User Name: mali1225  
  
Enter Your Password: kaaba786  
  
Username already taken. Please choose different username
```

Login





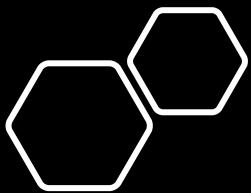
Login

User can login into Habit Tracker by selecting option 2

User is prompted to enter

- UserName
- Password

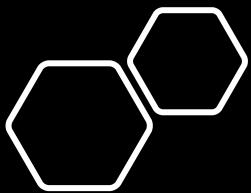
```
*****
**      Habit Tracker Login Menu      ***
*****  
  
1. Create New User  
2. Login  
Enter Your Choice (or Press 'q' or 'Q' to Exit): 2  
  
Enter Your User Name: mali1225  
  
Enter Your Password: kaaba786█
```



Login

If Username is not correct, user will get an error message that “Username doesn't exist”

```
*****  
**      Habit Tracker Login Menu      **  
*****  
  
1. Create New User  
2. Login  
Enter Your Choice (or Press 'q' or 'Q' to Exit): 2  
  
Enter Your User Name: mali1990  
  
Username doesn't exist
```



Login

If Username is correct, user will be prompted to enter the password

If password is not correct user will get an error message that “Incorrect Password”

```
*****
**      Habit Tracker Login Menu      ***
*****
```

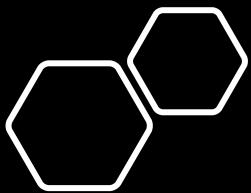
1. Create New User
2. Login

Enter Your Choice (or Press 'q' or 'Q' to Exit): 2

Enter Your User Name: mali1225

Enter Your Password: kaaba1234

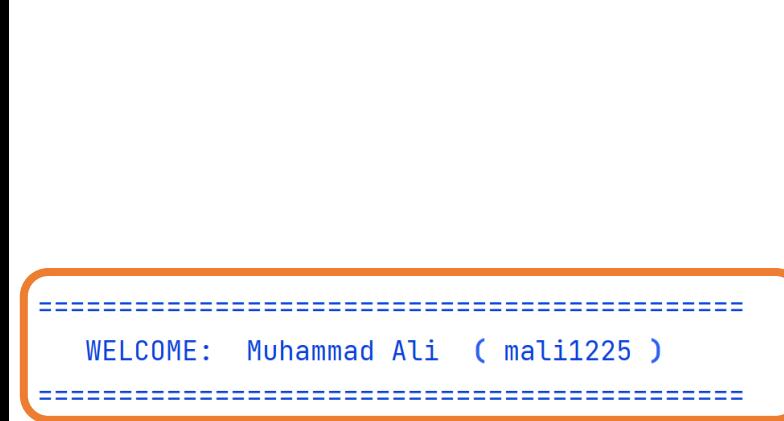
Incorrect Password



Login

Once user is logged in successfully, user will get a welcome message & a progress bar showing that Habit Tracker Is Loading

Once progress bar loading completes, all predefined habits will be displayed to user



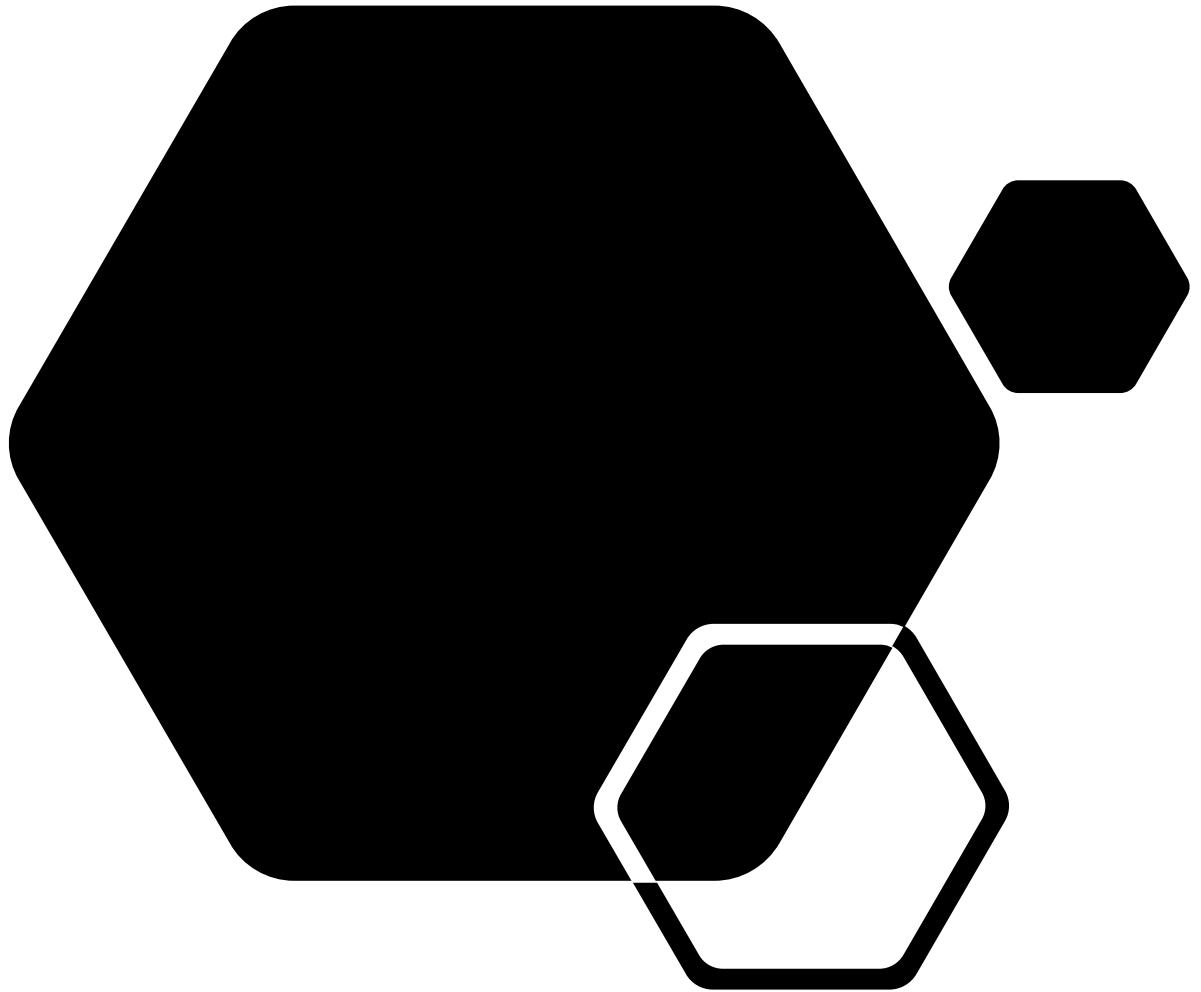
Please Wait! Habit Tracker Is Loading...  100% 0:00:00

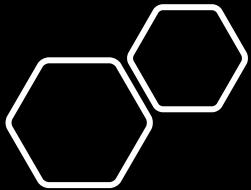
All Predefined Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	2	1	-
No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Cleaning	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Teeth Brush	Do Teeth Brushing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-

Habit Tracker

Main Menu





Habit Tracker Main Menu

Once user is logged in successfully, Habit Tracker Main Menu will appear

User is promoted to choose options 1 to 4 or Enter 'Q' or 'q' to Quit

=====

WELCOME: Muhammad Ali (mali1225)

=====

Please Wait! Habit Tracker Is Loading... 100% 0:00:00

All Predefined Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	2	1	-
No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Cleaning	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-

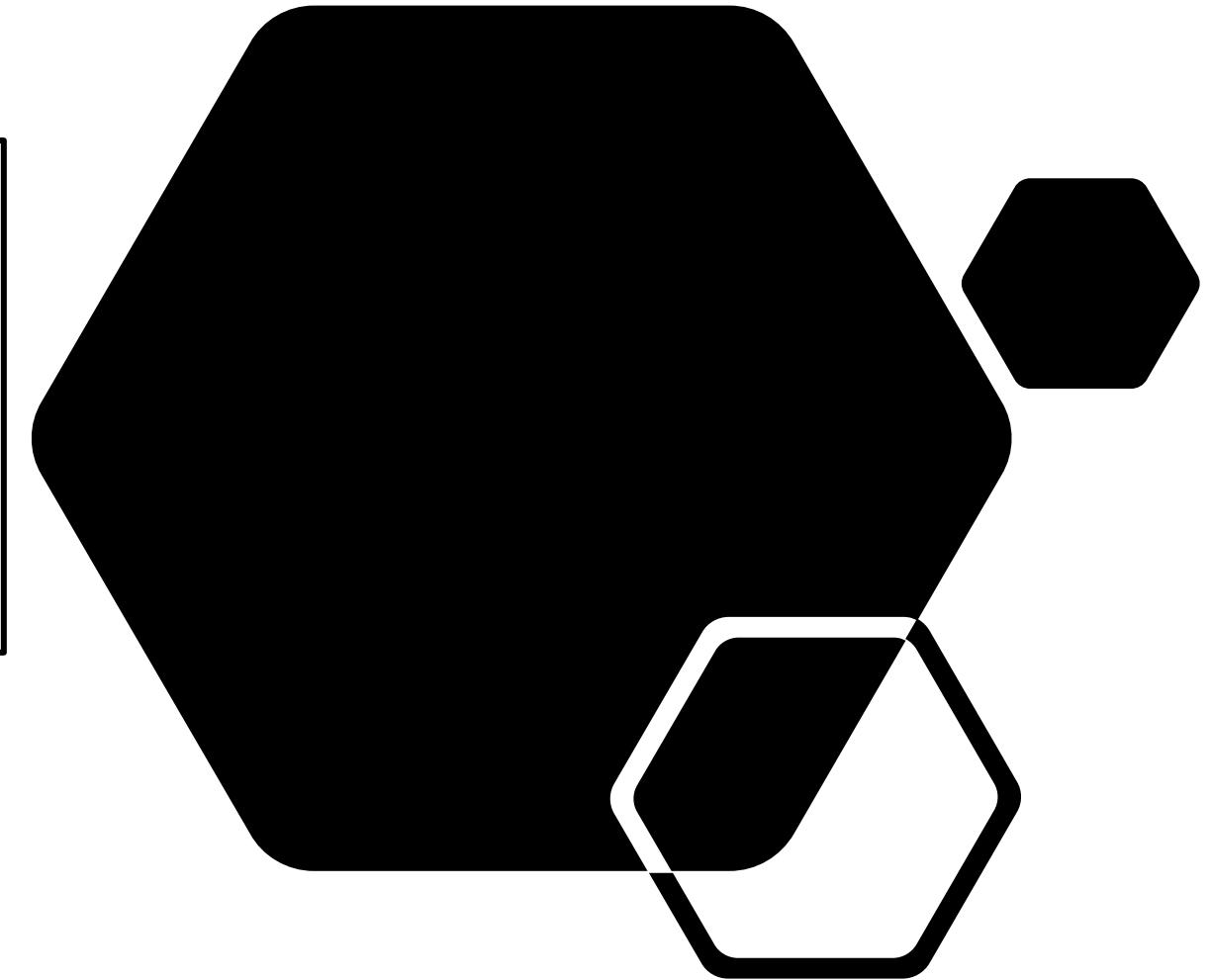
Habit Tracker Main Menu

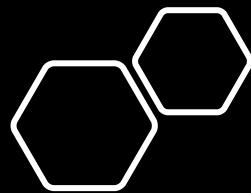
[1.] Enter 1 to CREATE NEW HABIT.
[2.] Enter 2 to MANAGE HABITS (COMPLETE TASKS).
[3.] Enter 3 to MODIFY, DELETE & RESTORE HABIT.
[4.] Enter 4 to ANALYZE YOUR HABITS.

Choose Option 1 to 4 or Enter 'q' or 'Q' to quit.

PLEASE ENTER YOUR CHOICE :

Create New
Habit





Create New Habit

In Create New Habit option, user is promoted “**Do you want to create new habit?**”

If user enters ‘Y’ or ‘y’, Habit details will appear

If user enters ‘N’ or ‘n’, user will return to Habit Tracker Main Menu

Habit Tracker Main Menu

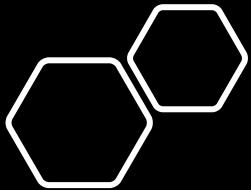
- [1.] Enter 1 to CREATE NEW HABIT.
- [2.] Enter 2 to MANAGE HABITS (COMPLETE TASKS).
- [3.] Enter 3 to MODIFY, DELETE & RESTORE HABIT.
- [4.] Enter 4 to ANALYZE YOUR HABITS.

Choose Option 1 to 4 or Enter 'q' or 'Q' to quit.

PLEASE ENTER YOUR CHOICE : 1

All Tracked Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Cleaning	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-



Create New Habit

User is prompted to enter

- Habit Name
- Habit Description
- Period (D: Daily, W: Weekly)
- Habit Max Days

Updated Habit Tracker will be displayed, once Habit is created

Habit Tracker Main Menu

Do You Want To Create New Habit (Y/N)?: y

Enter New Habit Name: Exercise

Enter Habit Description: 30 min walk

Habit Period - Daily or Weekly (Enter D for Daily & W for Weekly): d

For how many days do you want to continue this Habit: 30

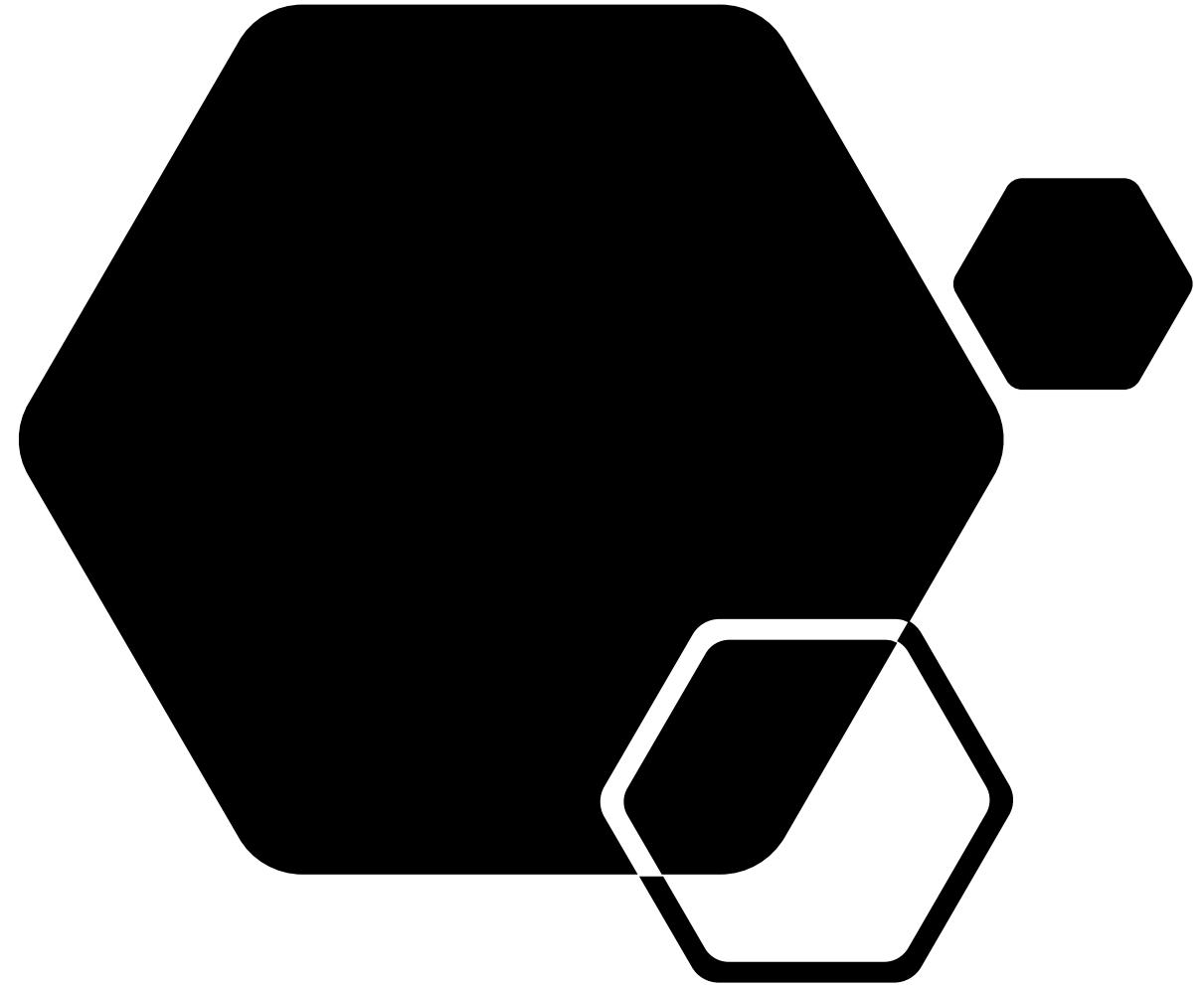
Habit Created Successfully....

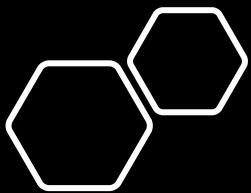
Please wait.....

All Tracked Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Cleaning	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-

**Manage Habit
(Complete Task)**





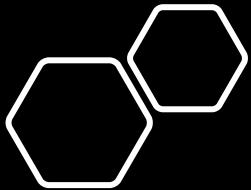
Manage Habit (Complete Task)

User can check-off specific habit by selecting option 2 from Habit Tracker Main Menu

Habit Tracker Main Menu

- [1.] Enter 1 to CREATE NEW HABIT.
 - [2.] Enter 2 to MANAGE HABITS (COMPLETE TASKS).
 - [3.] Enter 3 to MODIFY, DELETE & RESTORE HABIT.
 - [4.] Enter 4 to ANALYZE YOUR HABITS.
- Choose Option 1 to 4 or Enter 'q' or 'Q' to quit.

PLEASE ENTER YOUR CHOICE : 2 |



Manage Habit (Complete Task)

User is prompted to enter

- Habit Id to Check-off

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker will be displayed,
once Habit is checked-off

Habit Tracker Main Menu

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
5	Cleaning	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-

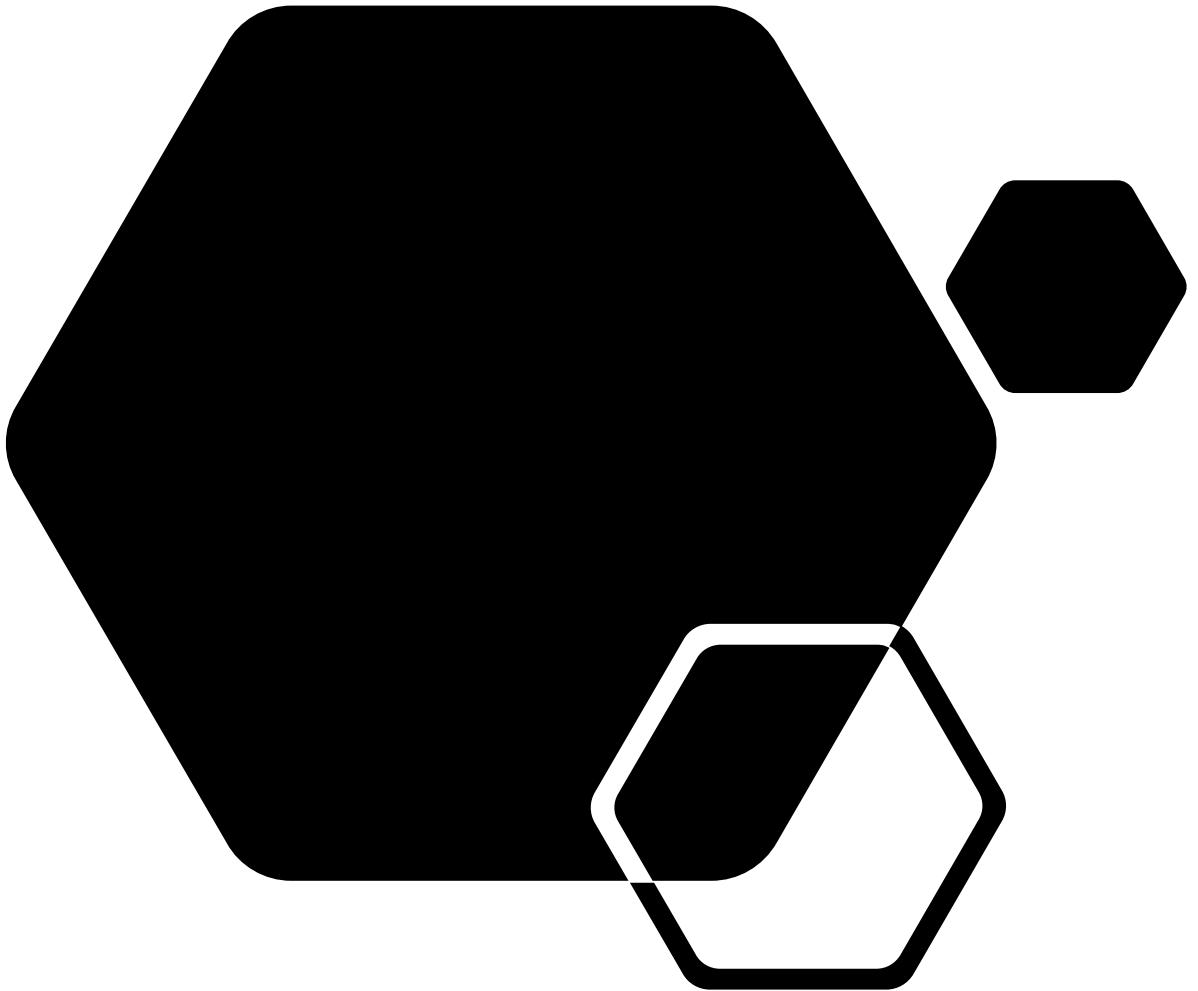
Enter Habit Id To Check Off (or Enter -1 to Exit)??: 4

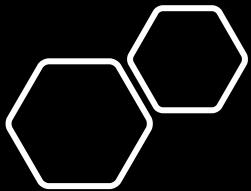
Habit Checked-Off Successfully....

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	Cleaning	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-

**Modify, Delete
&
Restore Habits**





Modify, Delete & Restore Habit

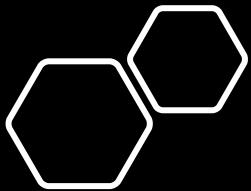
User can Modify Habit details, Delete & Restore Habits by selecting option 3 from Habit Tracker Main Menu

Habit Tracker Main Menu

- [1.] Enter 1 to CREATE NEW HABIT.
- [2.] Enter 2 to MANAGE HABITS (COMPLETE TASKS).
- [3.] Enter 3 to MODIFY, DELETE & RESTORE HABIT.
- [4.] Enter 4 to ANALYZE YOUR HABITS.

Choose Option 1 to 4 or Enter 'q' or 'Q' to quit.

PLEASE ENTER YOUR CHOICE : 3 |



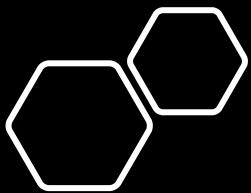
Modify, Delete & Restore Habit

User can choose option 1 to 8 or enter 'X' or 'x' to Return to Habit Tracker Main Menu

Modify, Delete & Restore Habit Menu

- [1] Enter 1 to CHANGE HABIT'S TITLE
- [2] Enter 2 to CHANGE HABIT'S DESCRIPTION
- [3] Enter 3 to CHANGE HABIT'S PERIOD TO DAILY
- [4] Enter 4 to CHANGE HABIT'S PERIOD TO WEEKLY
- [5] Enter 5 to CHANGE HABIT'S MAX DAYS
- [6] Enter 6 to DELETE HABIT
- [7] Enter 7 to RESTORE DELETED HABIT
- [8] Enter 8 to RESTORE COMPLETED HABIT
- [X] Enter X to EXIT

Enter Your Choice:



Change Habit's Title

User can change the Name of existing habits by selecting option 1

User is prompted to enter

- Habit Id to Change its Title

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker will be displayed, once Habit's Title is changed

Modify, Delete & Restore Habit Menu

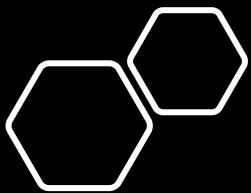
All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
5	Cleaning	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-

Enter Habit Id To Change Its Title (or Enter -1 to Exit)? : 5
Please Enter New Habit Name: House Keeping

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-



Change Habit's Description

User can change the Description of existing habits by selecting option 2

User is prompted to enter

- Habit Id to Change its Description

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker will be displayed, once Habit's Description is changed

Modify, Delete & Restore Habit Menu

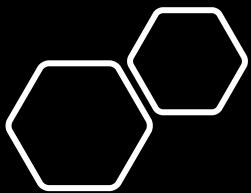
All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-

Enter Habit Id To Change Its DESCRIPTION (or Enter -1 to Exit)? : 6
Please Enter New Description: eat 2 apples daily

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-



Change Habit's Period to Daily

User can change the Period of existing habits (from Weekly to Daily) by selecting option 3

User is prompted to enter

- Habit Id to Change its Period

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker (along with updated Due Dates) will be displayed, once Habit's Period is changed

Modify, Delete & Restore Habit Menu

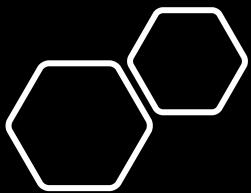
All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-

Enter Habit Id To Change Its Period To Daily (or Enter -1 to Exit)?: 7

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-



Change Habit's Period to Weekly

User can change the Period of existing habits (from Daily to Weekly) by selecting option 4

User is prompted to enter

- Habit Id to Change its Period

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker (along with updated Due Dates) will be displayed, once Habit's Period is changed

Modify, Delete & Restore Habit Menu

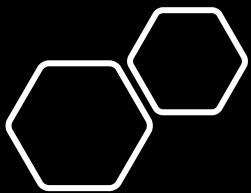
All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	30	0	-

Enter Habit Id To Change Its Period To Weekly (or Enter -1 to Exit)?: 9

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-



Change Habit's Max Days

User can change the Max Days of existing habits by selecting option 5

User is prompted to enter

- Habit Id to Change its Max Days

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker will be displayed, once Habit's Max Days is changed

Modify, Delete & Restore Habit Menu

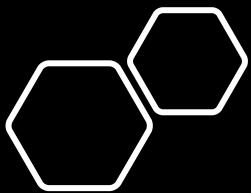
All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-

Enter Habit Id To Change Its Max Days (or Enter -1 to Exit)? : 8
Please Enter New Habit Max Days: 45

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	45	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-



Delete Habit

User can Delete the existing habits by selecting option 6

User is prompted to enter

- Habit Id to Delete it

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker along with Deleted Habits will be displayed, once Habit is Deleted

Modify, Delete & Restore Habit Menu

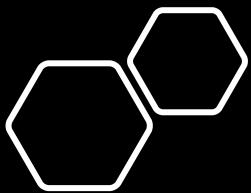
All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	45	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-

Enter Habit Id To Delete (or Enter -1 to Exit)? : 6

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	45	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-



Delete Habit

User can Delete the existing habits by selecting option 6

User is prompted to enter

- Habit Id to Delete it

User will choose Habit Id from Habit Tracker list

Updated Habit Tracker along with Deleted Habits will be displayed, once Habit is Deleted

Modify, Delete & Restore Habit Menu

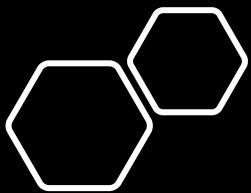
All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	45	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-

Enter Habit Id To Delete (or Enter -1 to Exit)??: 8

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-



Delete Habit

I have implemented Soft Delete instead of Hard Delete, so that user can check which habits he/she has deleted

If User want to start the Deleted habit again. He/she can simply Restore it from Deleted Habits instead of creating a new one from scratch

This will save lots of user's time and effort

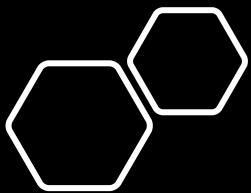
Modify, Delete & Restore Habit Menu

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-

All Deleted Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	x
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	45	0	x



Restore Deleted Habit

User can Restore Deleted Habits by selecting option 7

User is prompted to enter

- Habit Id to Restore it

User will choose Habit Id from Deleted Habit Tracker list

Updated Habit Tracker along with Updated Deleted Habits Tracker will be displayed, once Habit is Restored

Modify, Delete & Restore Habit Menu

All Deleted Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	X
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	45	0	X

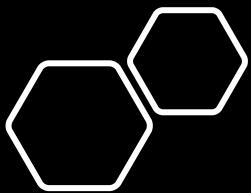
Enter Habit Id To Restore It (or Enter -1 to Exit)? : 8

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-

All Deleted Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
6	Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	X



Restore Completed Habit

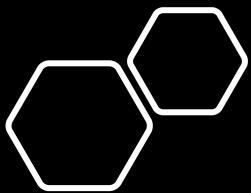
If User want to start the Completed habit once again. He/she can simply Restore it from Completed Habits instead of creating a new one from scratch

This will save lots of user's time and effort

Modify, Delete & Restore Habit Menu

All Completed Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	✓



Restore Completed Habit

User can Restore Completed Habits by selecting option 8

User is prompted to enter

- Habit Id to Restore it

User will choose Habit Id from Completed Habit Tracker list

Updated Habit Tracker along with Complete Habits will be displayed, once Habit is Restored

Modify, Delete & Restore Habit Menu

All Tracked Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	2	1	-
No Sugar	Take No Sugar	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
Cleaning	Clean House on Weekend	Weekly	2022-10-29	2022-10-29	2022-11-05	10	10	0	0	-
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
Community Work	Help others	Weekly	2022-10-29	2022-10-29	2022-11-05	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-

All Completed Habits

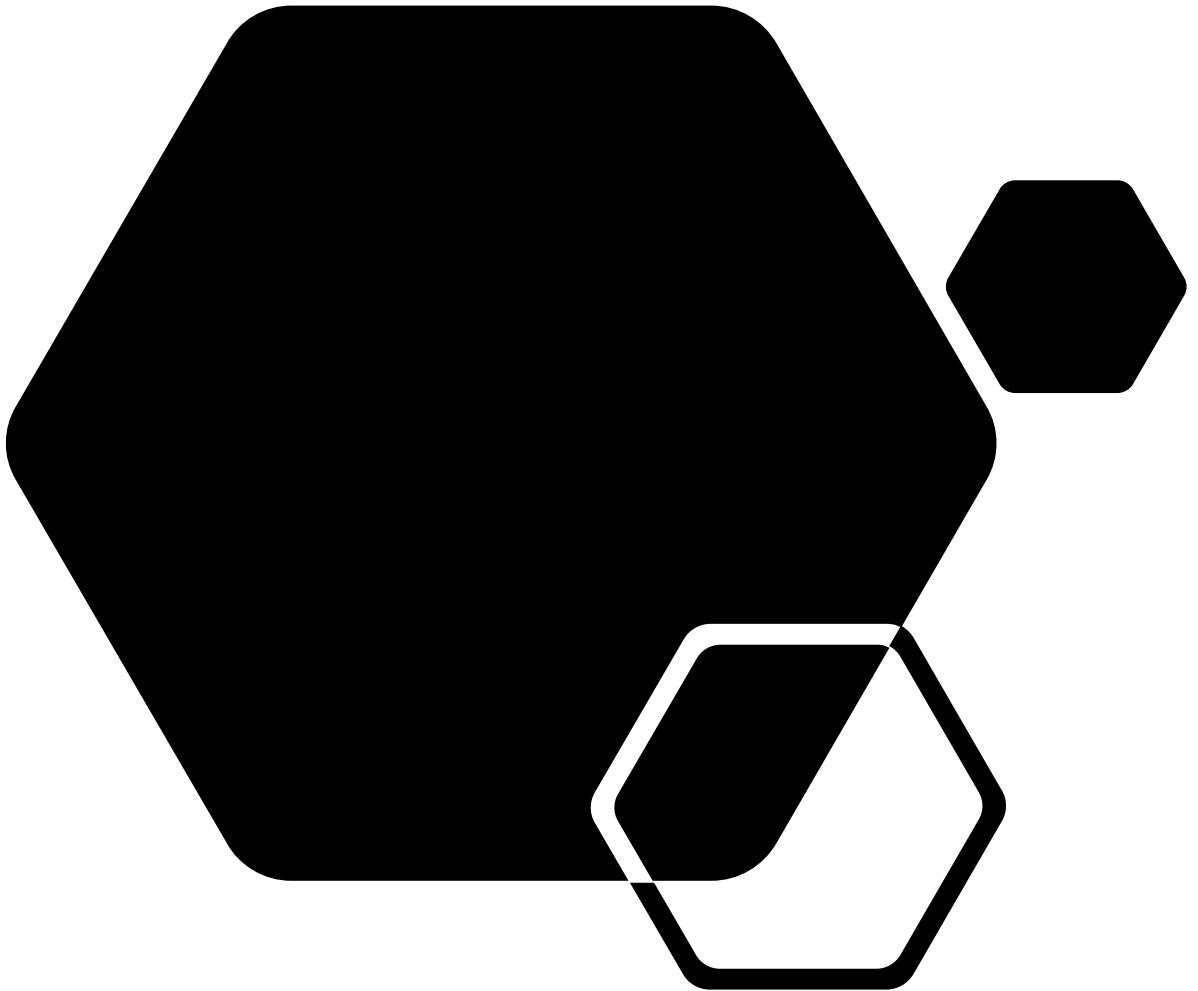
Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	✓

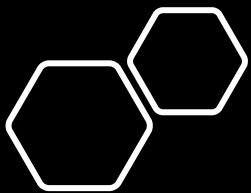
Enter Habit Id To Restore It (or Enter -1 to Exit)??: 2

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-29	2022-10-30	0	0	2	1	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-

Analyze Your
Habits



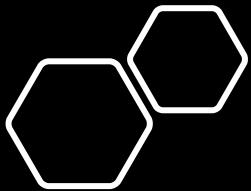


Analyze Your Habits

User can choose option 1 to 12 or enter 'X' or 'x' to Return to Habit Tracker Main Menu

Analyze Your Habits Menu

- [1] Enter 1 to VIEW ALL TRACKED HABITS
 - [2] Enter 2 to VIEW ALL DELETED HABITS
 - [3] Enter 3 to VIEW ALL COMPLETED HABITS
 - [4] Enter 4 to VIEW ALL DAILY HABITS
 - [5] Enter 5 to VIEW ALL WEEKLY HABITS
 - [6] Enter 6 to VIEW SMALLEST RUN STREAK DAILY HABIT
 - [7] Enter 7 to VIEW SMALLEST RUN STREAK WEEKLY HABIT
 - [8] Enter 8 to VIEW SMALLEST RUN STREAK AMONG ALL HABITS
 - [9] Enter 9 to VIEW LONGEST RUN STREAK DAILY HABIT
 - [10] Enter 10 to VIEW LONGEST RUN STREAK WEEKLY HABIT
 - [11] Enter 11 to VIEW LONGEST RUN STREAK AMONG ALL HABITS
 - [12] Enter 12 to VIEW LONGEST RUN STREAK GIVEN HABIT
 - [X] Enter X to EXIT
- Enter Your Choice: █



View All Tracked Habits

User can View All Tracked Habits by selecting option 1

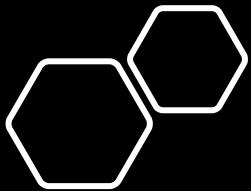
If there is no Tracked habit available, an alert message will be displayed

“Currently, There Is No Tracked Habit(s) Available.”

***** Analyze Your Habits Menu *****

All Tracked Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-



View All Deleted Habits

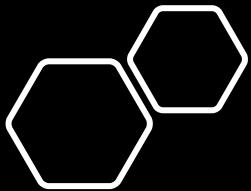
User can View All Deleted Habits by selecting option 2

If there is no Deleted habit available, an alert message will be displayed
“Currently, There Is No Deleted Habit(s) Available.”

Analyze Your Habits Menu

All Deleted Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Eat Fruit	Eat 2 Apples Daily	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	✗



View All Completed Habits

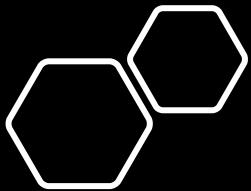
User can View All Completed Habits by selecting option 3

If there is no Completed habit available, an alert message will be displayed
“Currently, There Is No Completed Habit(s) Available.”

Analyze Your Habits Menu

All Completed Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	✓



View All Daily Habits

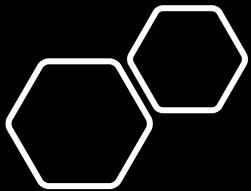
User can View All Daily Habits by selecting option 4

If there is no Daily habit available, an alert message will be displayed
“Currently, There Is No Daily Habit(s) Available.”

***** Analyze Your Habits Menu *****

All Active Daily Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-



View All Weekly Habits

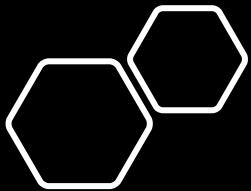
User can View All Weekly Habits by selecting option 5

If there is no Weekly habit available, an alert message will be displayed
“Currently, There Is No Weekly Habit(s) Available.”

Analyze Your Habits Menu

All Active Weekly Habits

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-



View Smallest Run Streak Daily Habit

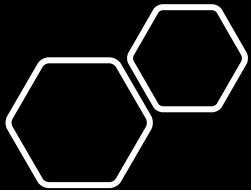
User can View Smallest Run Streak Daily Habits by selecting option 6

If there is no Daily habit available, an alert message will be displayed
“Currently, There Is No Daily Habit(s) Available.”

Analyze Your Habits Menu

Smallest Streak Daily Habits

Habit Name	Smallest Streak	Habit Status
No Sugar	0	➡



View Smallest Run Streak Weekly Habit

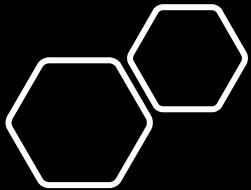
User can View Smallest Run Streak Weekly Habits by selecting option 7

If there is no Weekly habit available, an alert message will be displayed
“Currently, There Is No Weekly Habit(s) Available.”

Analyze Your Habits Menu

Smallest Streak Weekly Habits

Habit Name	Smallest Streak	Habit Status
House Keeping	0	➡



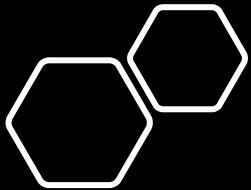
View Smallest Run Streak Among All Habit

User can View Smallest Run Streak Among All Habits by selecting option 8

Analyze Your Habits Menu

Smallest Streak Among All Habits (Daily or Weekly)

Habit Name	Smallest Streak	Habit Status
No Sugar	0	➡



View Longest Run Streak Daily Habit

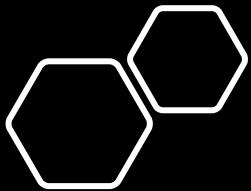
User can View Longest Run Streak Daily Habits by selecting option 9

If there is no Daily habit available, an alert message will be displayed
“Currently, There Is No Daily Habit(s) Available.”

Analyze Your Habits Menu

Longest Streak Daily Habits

Habit Name	Longest Streak	Habit Status
Offer Prayer	2	➡



View Longest Run Streak Weekly Habit

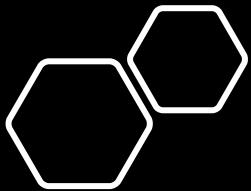
User can View Longest Run Streak Weekly Habits by selecting option 10

If there is no Weekly habit available, an alert message will be displayed
“Currently, There Is No Weekly Habit(s) Available.”

Analyze Your Habits Menu

Longest Streak Weekly Habits

Habit Name	Longest Streak	Habit Status
Cleaning	10	➡



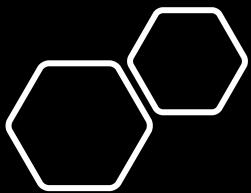
View Longest Run Streak Among All Habit

User can View Longest Run Streak Among All Habits by selecting option 11

Analyze Your Habits Menu

Longest Streak Among All Habits (Daily or Weekly)

Habit Name	Longest Streak	Habit Status
Cleaning	10	➡



View Longest Run Streak Given Habit

User can View Longest Run Streak of a Given Habit

User is prompted to enter

- Habit Id to View Longest Run Streak

User will choose Habit Id from Habit Tracker list

If there is no Habit available against the provided Habit Id, an alert message will be displayed “Habit Doesn't Exist”

Analyze Your Habits Menu

All Tracked Habits

Habit ID	Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
1	Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-27	1	1	2	0	-
2	Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-27	2022-10-27	2022-10-27	2	2	2	0	-
3	No Sugar	Take No Sugar	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
4	Play Sports	Play Cricket Daily	Daily	2022-10-28	2022-10-29	2022-10-30	1	1	0	0	-
5	House Keeping	Clean House on Weekend	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	0	0	-
7	Community Work	Help others	Daily	2022-10-28	2022-10-28	2022-10-29	0	0	0	0	-
8	Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-29	2022-10-29	2022-10-30	0	0	0	0	-
9	Exercise	30 Min Walk	Weekly	2022-10-28	2022-10-28	2022-11-04	0	0	30	0	-

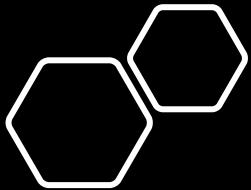
Enter Habit Id To View Its Longest Streak (or Enter -1 to Exit)?: 2

Longest Streak Given Habit

Habit Name	Longest Streak	Habit Status
Offer Prayer	2	➡

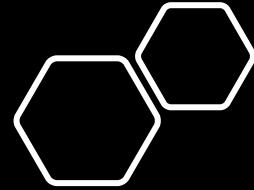
Reset Overdue
Habits
&
Mark Habits
Complete
Automatically





Reset Overdue Habits & Mark Habits Complete Automatically

- Reset Overdue Habits & Mark Habits Complete is a background process which starts running when program starts.
- The first purpose of this process is to reset the habits whose due date is overdue.
- The second purpose of this process is to marks the habit complete whose Max_Streak = Max_Days

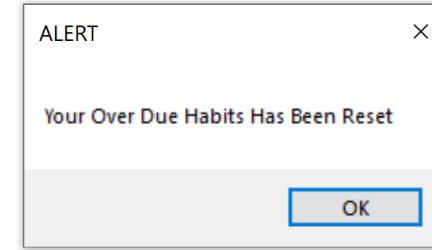


Reset Overdue Habits

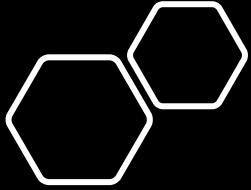
Reset Overdue Habits automatically reset the habits if its due date is over

Once habit is reset, user will get an alert message that “Your OverDue Habits Has Been Reset”

Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-29	1	1	2	0	-
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-29	2022-10-29	2022-10-29	2	2	2	0	-
No Sugar	Take No Sugar	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-
Cleaning	Clean House on Weekend	Weekly	2022-10-30	2022-10-30	2022-11-06	10	10	0	0	-
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-
Community Work	Help others	Weekly	2022-10-30	2022-10-30	2022-11-06	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-



Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-30	2022-10-31	0	0	2	1	-
No Sugar	Take No Sugar	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-
Play Sports	Play Cricket Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-
Cleaning	Clean House on Weekend	Weekly	2022-10-30	2022-10-30	2022-11-06	10	10	0	0	-
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-
Community Work	Help others	Weekly	2022-10-30	2022-10-30	2022-11-06	0	0	0	0	-
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-

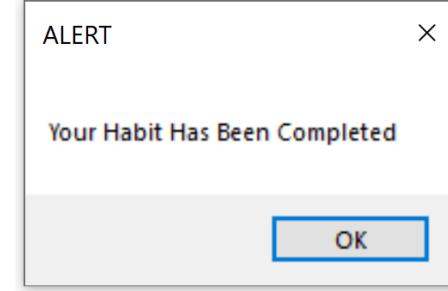


Mark Habits Complete

Mark Habits Complete automatically completes the habits if its Max_Streak = Max_Days

Once habit is completed, user will get an alert message that “Your Habits Has Been Completed”

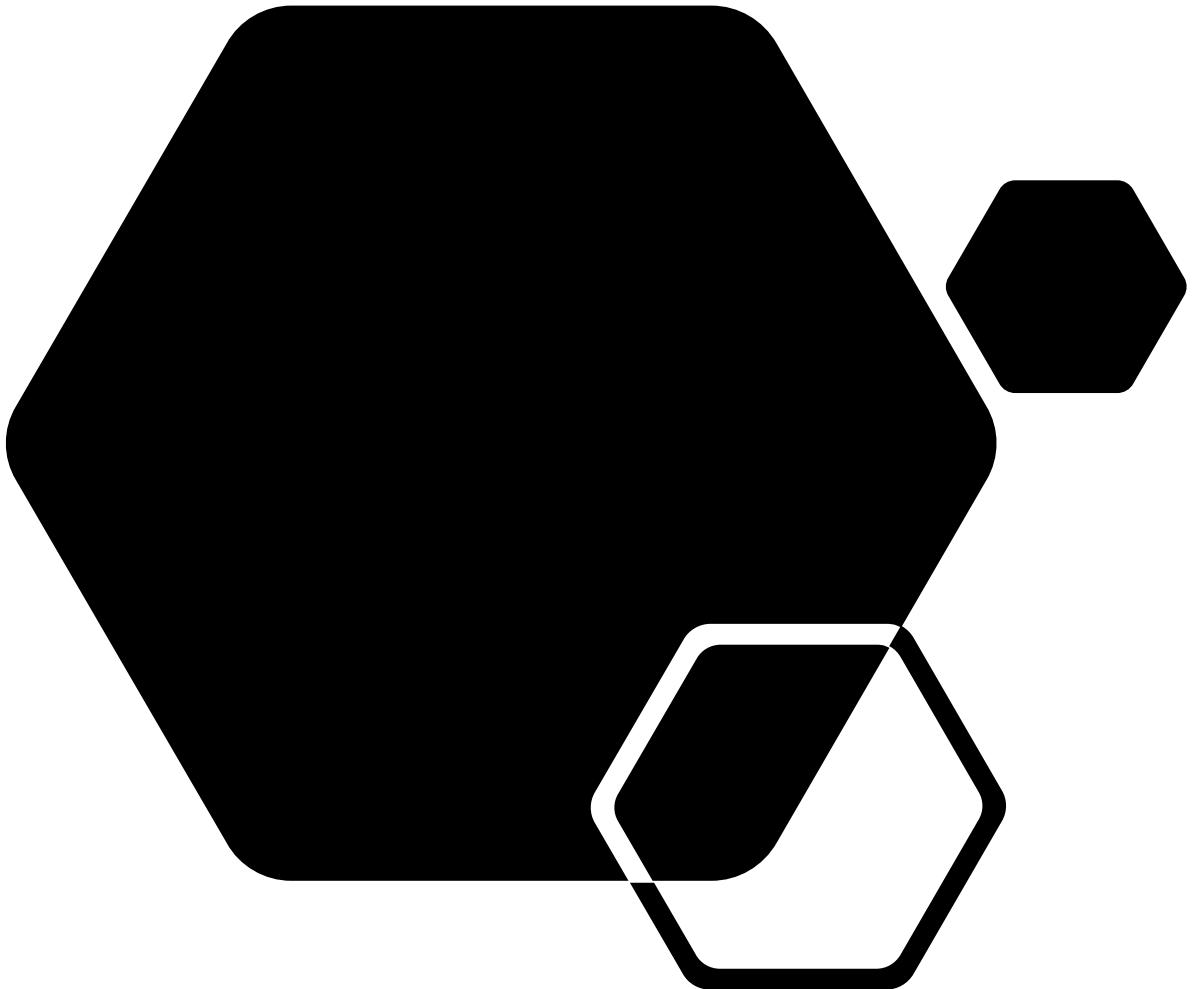
All Tracked Habits											
Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status	
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-28	2022-10-29	1	1	2	0	-	
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-29	2022-10-29	2022-10-29	2	2	2	0	-	
No Sugar	Take No Sugar	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	
Play Sports	Play Cricket Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	
Cleaning	Clean House on Weekend	Weekly	2022-10-30	2022-10-30	2022-11-06	10	10	0	0	-	
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	
Community Work	Help others	Weekly	2022-10-30	2022-10-30	2022-11-06	0	0	0	0	-	
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	



All Completed Habits											
Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status	
Offer Prayer	Offer Prayer 5 Time a Day	Daily	2022-10-29	2022-10-29	2022-10-29	2	2	2	0	✓	

All Tracked Habits											
Habit Name	Description	Period	Born	Start Date	Due Date	Streak	Max Streak	Max Days	Break	Habit Status	
Drink Water	Drink 2 Liters of Water	Daily	2022-10-28	2022-10-30	2022-10-31	0	0	2	1	-	
No Sugar	Take No Sugar	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	
Play Sports	Play Cricket Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	
Cleaning	Clean House on Weekend	Weekly	2022-10-30	2022-10-30	2022-11-06	10	10	0	0	-	
Eat Fruit	Eat 1 Apple Daily	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	
Community Work	Help others	Weekly	2022-10-30	2022-10-30	2022-11-06	0	0	0	0	-	
Teeth Brush	Do Teeth Burshing 2 Times a Day	Daily	2022-10-30	2022-10-30	2022-10-31	0	0	0	0	-	

Pytest Report



```
■ Anaconda Powershell Prompt (Anaconda3)
(base) PS C:\Users\MA255063\PycharmProjects\Habit_Tracker_2022\Habit_Tracker_Pytest> pytest -v .\Habit_Tracker_Testing.py
=====
platform win32 -- Python 3.9.13, pytest-7.1.2, pluggy-1.0.0 -- C:\Users\MA255063\Anaconda3\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\MA255063\PycharmProjects\Habit_Tracker_2022\Habit_Tracker_Pytest
plugins: anyio-3.5.0
collected 11 items

Habit_Tracker_Testing.py::test_table_creations PASSED [ 9%]
Habit_Tracker_Testing.py::test_empty_tables PASSED [ 18%]
Habit_Tracker_Testing.py::test_create_user PASSED [ 27%]
Habit_Tracker_Testing.py::test_user_login PASSED [ 36%]
Habit_Tracker_Testing.py::test_load_predefined_habits PASSED [ 45%]
Habit_Tracker_Testing.py::test_create_new_habits PASSED [ 54%]
Habit_Tracker_Testing.py::test_manage_habits PASSED [ 63%]
Habit_Tracker_Testing.py::test_modify_delete_restore_habits PASSED [ 72%]
Habit_Tracker_Testing.py::test_restore_completed_habits PASSED [ 81%]
Habit_Tracker_Testing.py::test_auto_overdue_and_complete_habits PASSED [ 90%]
Habit_Tracker_Testing.py::test_analyze_your_habits PASSED [100%]

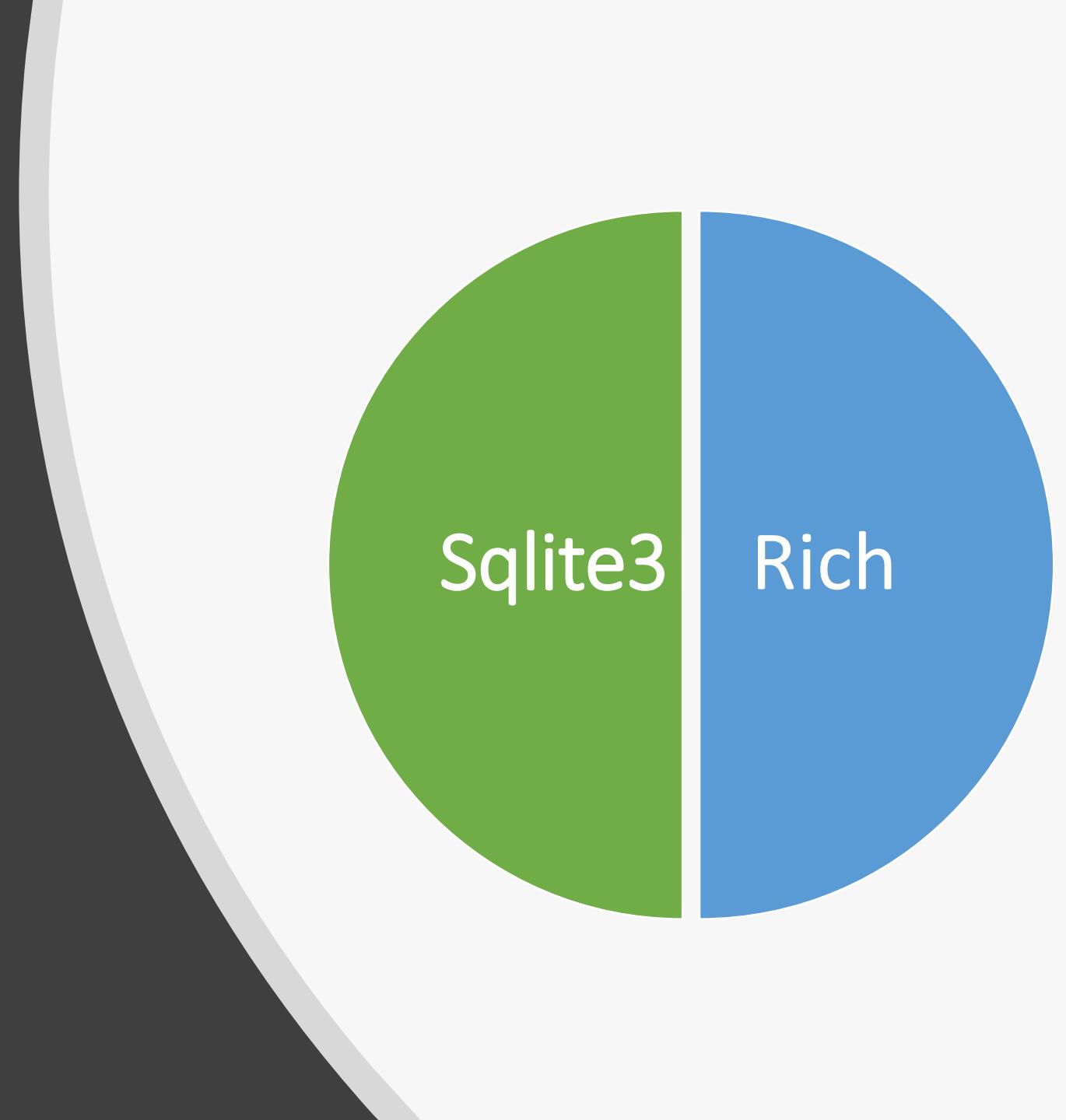
===== 11 passed in 398.39s (0:06:38) =====
(base) PS C:\Users\MA255063\PycharmProjects\Habit_Tracker_2022\Habit_Tracker_Pytest>
```

```
▶ C:\WINDOWS\System32\WindowsPowerShell\v1.0\powershell.exe
(base) PS C:\Users\MA255063\PycharmProjects\Habit_Tracker_2022\Habit_Tracker_Pytest> pytest -v .\Habit_Tracker_Testing.py
=====
platform win32 -- Python 3.9.13, pytest-7.1.2, pluggy-1.0.0 -- C:\Users\MA255063\Anaconda3\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\MA255063\PycharmProjects\Habit_Tracker_2022\Habit_Tracker_Pytest
plugins: anyio-3.5.0
collected 11 items

Habit_Tracker_Testing.py::test_table_creations PASSED [ 9%]
Habit_Tracker_Testing.py::test_empty_tables PASSED [ 18%]
Habit_Tracker_Testing.py::test_create_user PASSED [ 27%]
Habit_Tracker_Testing.py::test_user_login PASSED [ 36%]
Habit_Tracker_Testing.py::test_load_predefined_habits PASSED [ 45%]
Habit_Tracker_Testing.py::test_create_new_habits PASSED [ 54%]
Habit_Tracker_Testing.py::test_manage_habits PASSED [ 63%]
Habit_Tracker_Testing.py::test_modify_delete_restore_habits PASSED [ 72%]
Habit_Tracker_Testing.py::test_restore_completed_habits PASSED [ 81%]
Habit_Tracker_Testing.py::test_auto_overdue_and_complete_habits PASSED [ 90%]
Habit_Tracker_Testing.py::test_analyze_your_habits PASSED [100%]

===== 11 passed in 297.26s (0:04:57) =====
(base) PS C:\Users\MA255063\PycharmProjects\Habit_Tracker_2022\Habit_Tracker_Pytest>
```

Libraries Used



Thank You

