

Command Guide: Currency Converter Application

Command line based real-time currency converter application built using Java [Week-1, Task-1].

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Overview: This is a currency converter application. It exchanges currency rates in real-time using third-party API. The application is built using Java as core programming language and provides multiple functionalities such as converting source currency into target currency, adding currencies of your choice into a favorite's list etc.

Following is the detailed guide on how to use the different functionalities of application using specific commands.

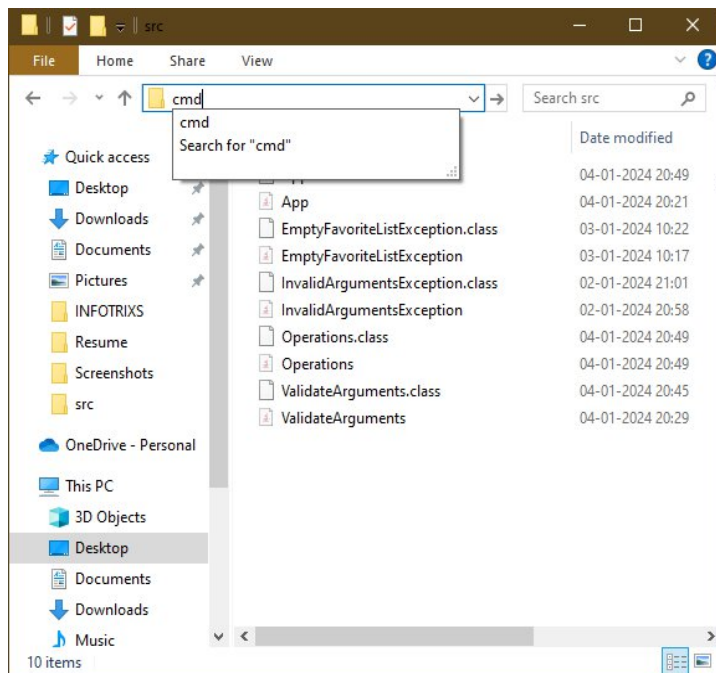
How to Operate the App

1) Compile & Run

In order to compile the code file, you need to navigate to the **src** folder. Follow the following path:

file_directory\currency_converter\src

You will find all the Java files (including .java and .class files) in the src folder. Click on the address bar (aka location bar), type **cmd** and hit enter. It will open the command line prompt.



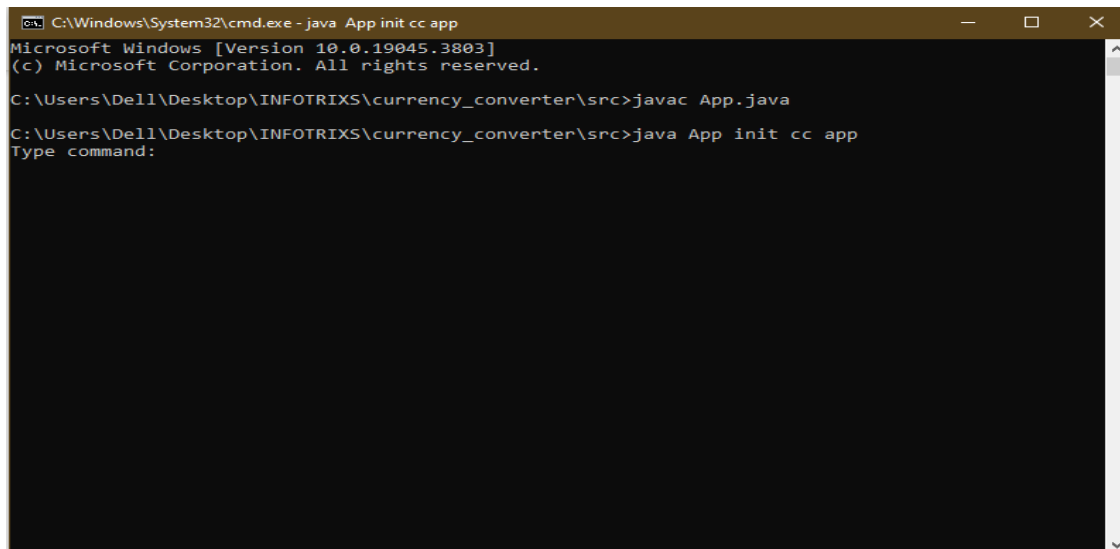
Now use the commands as shown in the next picture to compile & run the application.

javac App.java compiles the program

java App init cc app provides the program with initial command line argument and runs the compiled program.

Note: “init cc app” is not a Java command. It is our command line argument to initiate the application. “init cc app” in context of our application means ‘initiate currency_converter application.’

Note: “App” is the file’s name in which our **main** function is located.



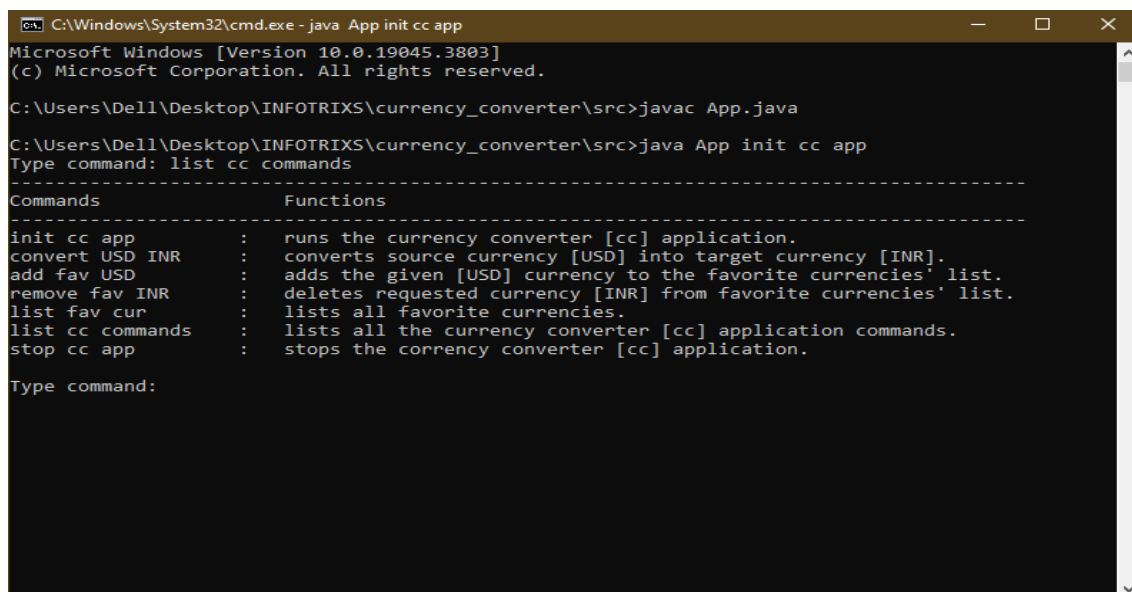
```
C:\Windows\System32\cmd.exe - java App init cc app
Microsoft Windows [Version 10.0.19045.3803]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Dell\Desktop\INFOTRIXS\currency_converter\src>javac App.java
C:\Users\Dell\Desktop\INFOTRIXS\currency_converter\src>java App init cc app
Type command:
```

See the above picture for better understanding.

2) Commands And Their Functionalities

There is a total of 7 commands in this application for using different functionalities. Following are the commands and their functionalities.



```
C:\Windows\System32\cmd.exe - java App init cc app
Microsoft Windows [Version 10.0.19045.3803]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Dell\Desktop\INFOTRIXS\currency_converter\src>javac App.java
C:\Users\Dell\Desktop\INFOTRIXS\currency_converter\src>java App init cc app
Type command: list cc commands
-----
Commands      Functions
-----
init cc app   : runs the currency converter [cc] application.
convert USD INR : converts source currency [USD] into target currency [INR].
add fav USD   : adds the given [USD] currency to the favorite currencies' list.
remove fav INR : deletes requested currency [INR] from favorite currencies' list.
list fav cur  : lists all favorite currencies.
list cc commands : lists all the currency converter [cc] application commands.
stop cc app   : stops the correnncy converter [cc] application.
Type command:
```

“list cc commands” is one of 7 commands. The command lists all the available commands and their functionalities. See above picture (5th line). We have used “list cc commands” and it has listed all the commands. “list cc commands” represents list currency_converter (app) commands.

We have already seen “init cc app” command.

3) How to Use These Commands

Once you have successfully run the application, you will see **'Type command'** written on the command line prompt.

- When you see **'Type command'**, you can type any of the 7 commands.
- When you type a command, make sure you type it exactly as show in the previous picture. Commands are case sensitive. For example, **"list cc commands"** will work. **"List cc commands"** won't work.
- However, whenever you type a currency code, you can use either lower or upper case. Currency codes in commands are case insensitive. For example, **"add fav INR"** and **"add fav inr"** both will work.
- After typing a command and pressing enter, wait for the command prompt to respond. Especially when using **"convert.."** and **"add fav.."** commands because these two commands fetch results from the internet and might take some time.
- In case you make any mistakes while typing commands or any server-side error occurs, application will handle it and guide you accordingly.
- To stop the app, use command **"stop cc app"**. It is in contrast with **"init cc app."**

This guide is enough to use the application from the user's perspective. Refer to the code files for detailed code documentation.

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