REPORT FOR CURRENCY CONVETER CALCULATOR

PYTHON PROGRAMMING INT 213

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ABSTRACT:

This is a simple currency converter which convert amount from one currency type to another currency type. This is our first project and now a days currency rates are fluctuating day by day so we cannot remember them or cannot calculate any amount with our mind, so we decided to make a currency converter. We all know how much important money is for all of us. And we want to know that how my country currency differs with other countries' currencies, so we decided to make this project. This project uses simple understandable approach.

ACKNOWLEDGEMENT:

We would like to thank our Prof. Dr. Sagar Pande for his guidelines. We learn a lot of things from him. His way of teaching is outstanding. we were able to do this project by the help of what he teaches us. And we learn a lot of new things from him. Thanks a lot sir for your valuable time.

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INTRODUCTION:

This project is made by both of us. It is basically a currency converter. Currency converter calculator is basically a calculator which converts amount from one currency type to another currency type. In this calculator almost all country type conversions are possible. We both did hard work on it to complete. This is our first project, so we wanted to make it more beneficial, so we added lot of things in it which is useful for users. We all don't know the difference between currency rates. And we can't remember lots of information. So, we decided to make this calculator which helps user to convert their amount in every currency type. We know online system is there for that, but we decided to make something attractive in it. It has different features. We discuss them below.

TEAM MEMBERS:

Team Leader:

Punit:

Contribution:

1. **Coding(joined)**
2. **GUI**
3. **Implementation**
4. **Report (joined)**

Neha Sharan:

Contribution:

1. **Coding(joined)**
2. **Idea**
3. **Interface**
4. **Report (joined)**

LIBRARIES:

1. TKINTER:

Tkinter is the standard GUI library for Python. Python when combined with Tkinter provides a fast and easy way to create GUI applications. Tkinter provides a powerful object-oriented interface to the Tk GUI toolkit.

Creating a GUI application using Tkinter is an easy task. All you need to do is perform the following steps –

- **Import the Tkinter module.**
- **Create the GUI application main window.**
- **Add one or more of the widgets to the GUI application.**
- **Enter the main event loop to act against each event triggered by the user.**

2. JSON:

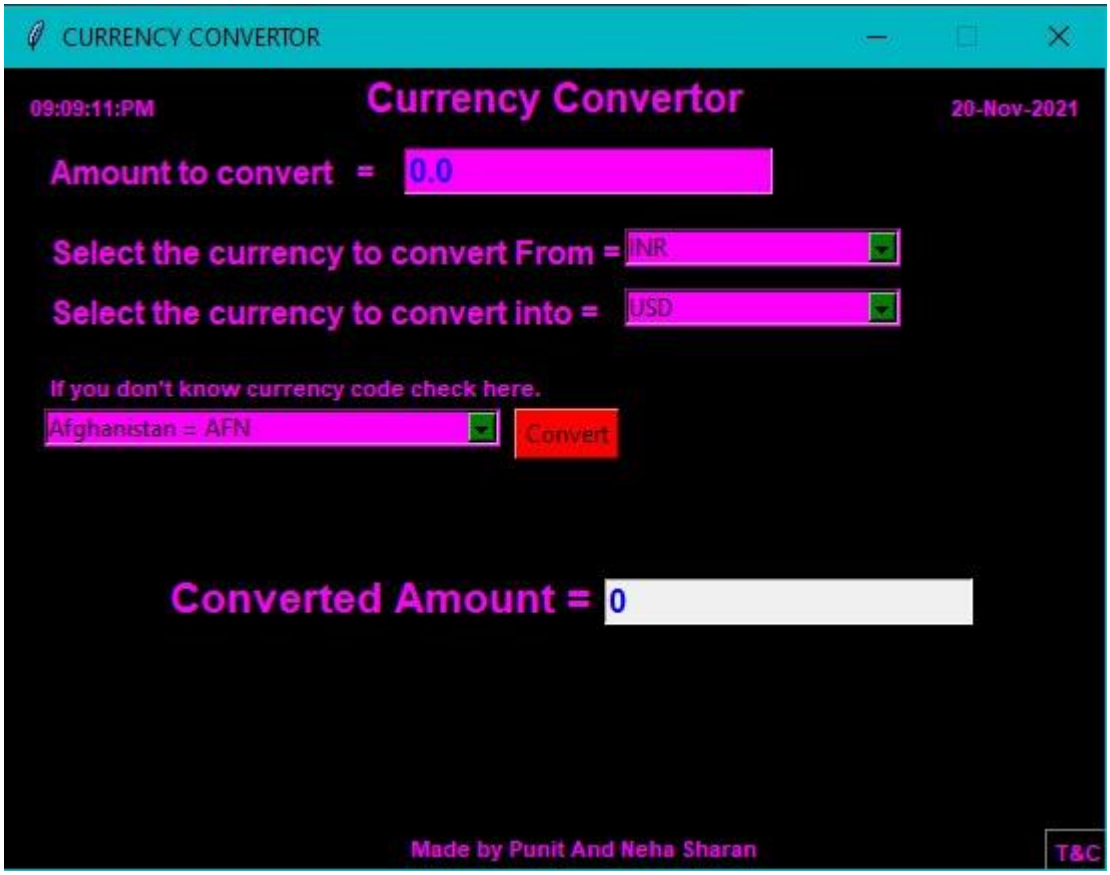
JSON JavaScript Object Notation is a format for structuring data. It is mainly used for storing and transferring data between the browser and the server. Python too supports JSON with a built-in package called json. This package provides all the necessary tools for working with JSON Objects including parsing, serializing, deserializing, and many more.

3. **Google Currency:**
   It is used to import all currency rate differences and, in this library, convert function used to convert the amount from one type to another type.
4. **Time:**
   Time library is basically used to import current time and Date.

PROJECT INFORMATION:

Here we will tell you that how our project works.

Firstly, when you run our project, you must have a good internet connection and you need to install some libraries which we mentioned above. Already these libraries installed in python but in such case, it shows error you just simply install library using command pip install tkinter, pip install google_currency. Then you need to import them. After that you just simply run our code and you will directly go to our project's interface. Let us show you how it looks.

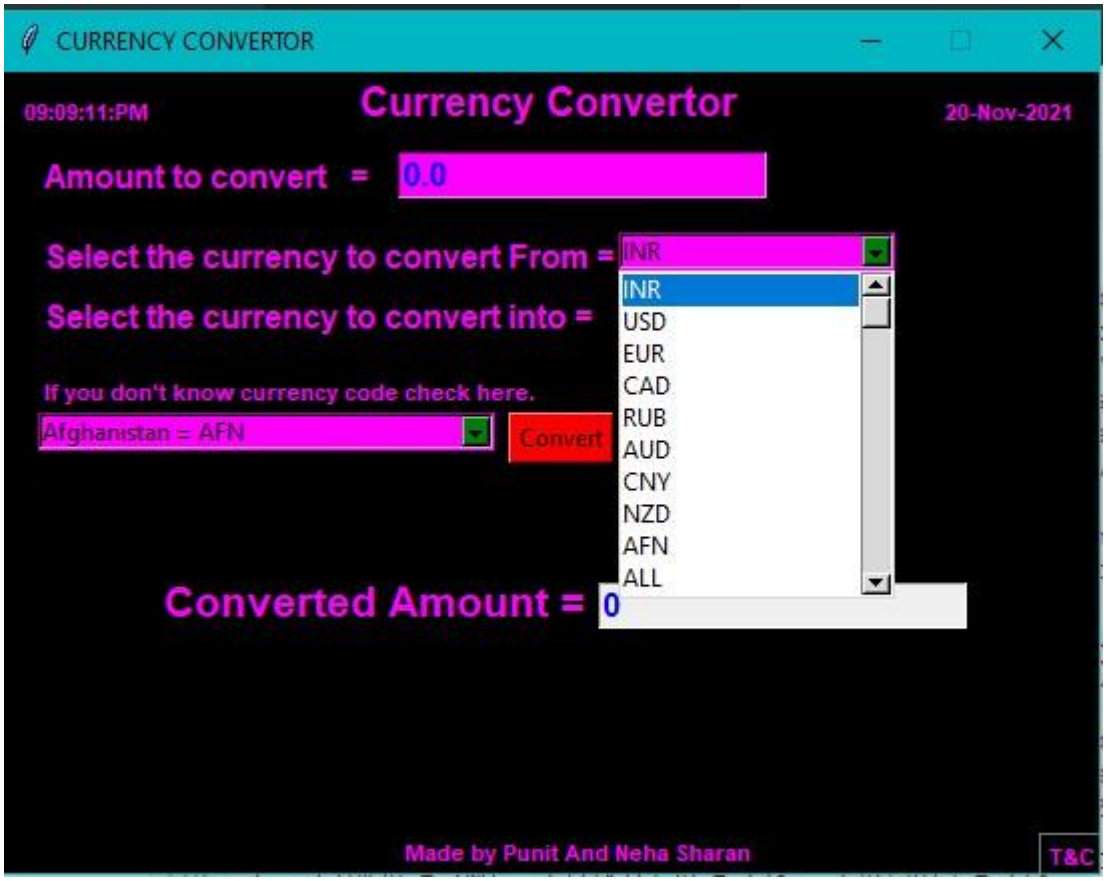


As you see that is our project's interface when you run it.

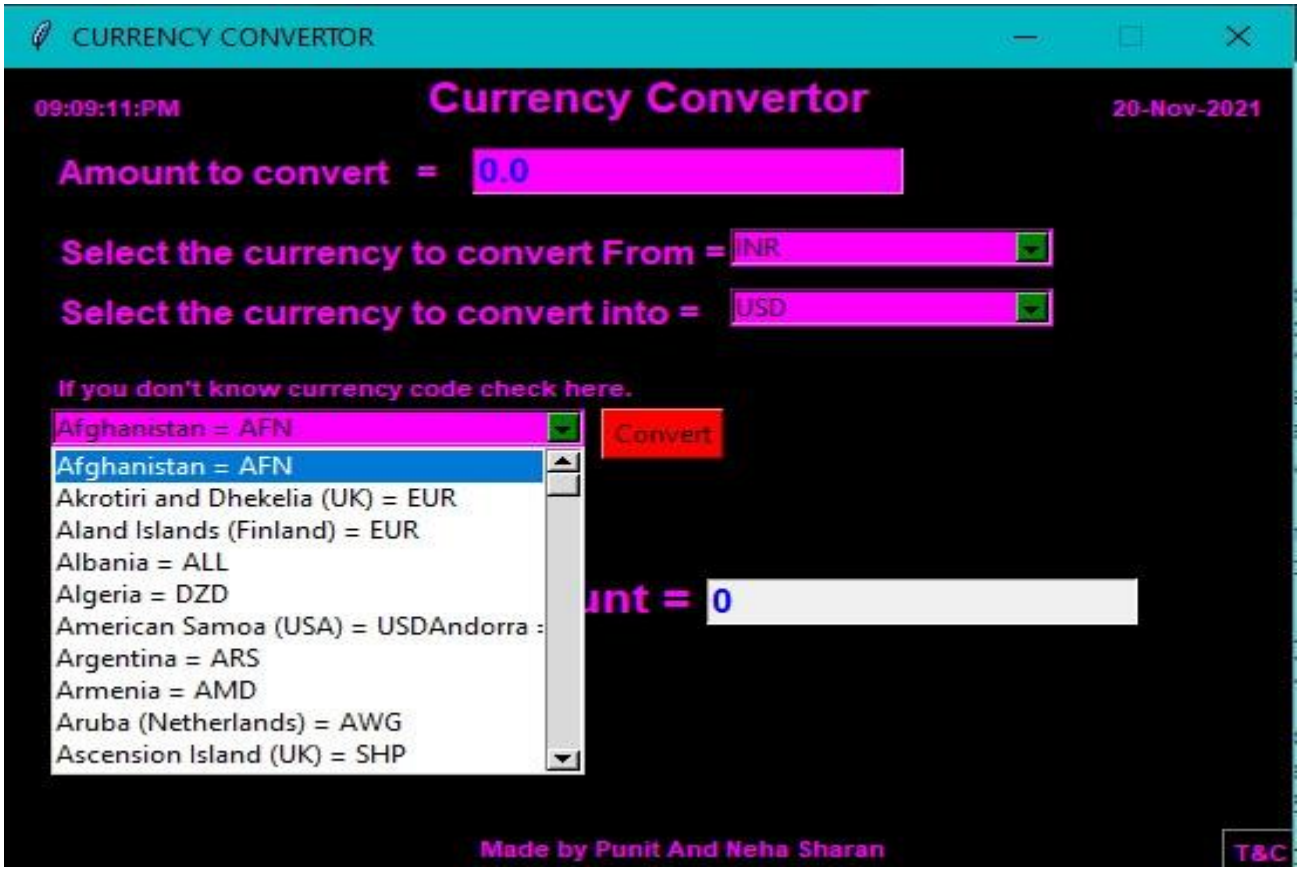
Here you get all details current time, current date.

After that there is an entry box where you need to enter how much amount you want to convert. Then below you see two combo boxes. Let me show you how it looks when

you click on them.

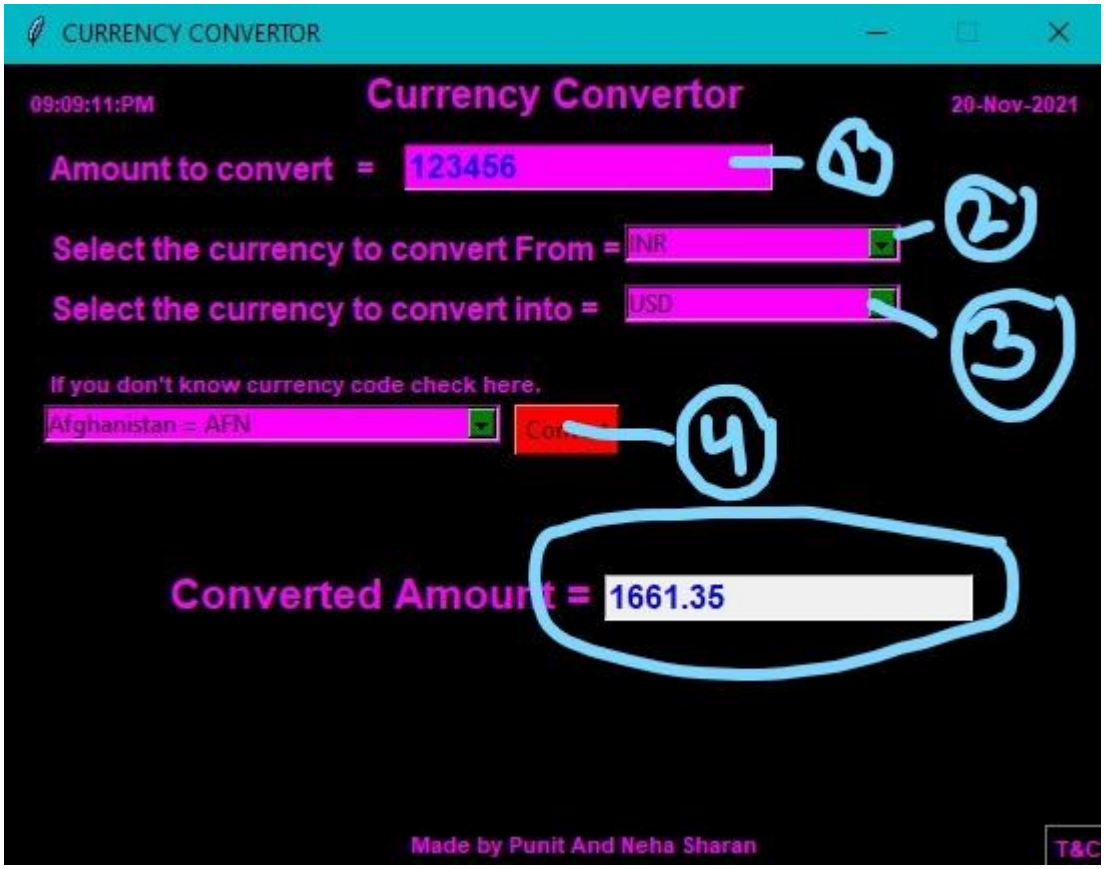


Here you all can see that there is almost every currency type. After entering your amount, you must select from which currency type you want to convert. After selecting first type then select below to which currency type you want to convert it. If you don’t know the currency type, then no need to worry about it. We give another combo box for you where you get all country’s currency types let us show you how it looks.



There as you all can see you will get all countries currency codes. After that you just simply click on convert button, and you will get your converted amount in below given box. Let me show you an example.

Firstly, I enter amount in entry box we select first type then we select to which currency we want to convert and then simply click on convert button, and you will get your converted amount.



As you all can see it very easy to use and very easy to understand for all. One more button you all can see T&C

This is a button which shows message in another pop-up window. Let we show you.

So, there are some information related to our project.

So, these are the information and procedure related to our project.

CONCLUSION:

It is out team's hope that this document will be of huge help with understanding of our little project. As we have used a simple and understandable approach which has proved beneficial for us and easy for us to understand the currency conversion. We tried our level best to give you everything in this project. We know it is not our 100 % accuracy, but we will work forward to increase this accuracy little by little.

We hope you all enjoy using this currency converter.

REFERENCES:

We did project with ourselves but here are some links where we get some help related to our project:

1.https://pypi.org/project/google-currency/

2. https://www.tutorialspoint.com/how-to-set-the-background-color-of-a-ttk-combobox-in-tkinter

3. https://www.w3schools.com/python/python_json.asp

THANK YOU