Project Report

The project is titled Currency Converter and designed to convert money from one currency to another. It uses various Python concepts such as functions, operators, conditional statements, loops, etc. The project follows a top down design approach and falls under the financial real world project application category. The main objective is to assist users like travelers who need to know how much a certain amount in one currency would be in another currency. Thee program is made user friendly and does not require restarting the script after every conversion. The project has been thoroughly tested and works accurately without any error.

Problem Statement

In this developing world, people travel a lot for work, and conduct business across different countries. One common challenge that everyone face is to determine the equivalent value of money when converting from one currency to another. Manual currency conversion is very much time-consuming and inconvenient especially when exchange prices vary across different sources. To address this issue of conversion, there is a need for a simple, accurate, and user-friendly tool that can quickly convert the required amount from one currency to another without requiring complex calculations. The project aims to create a Currency Converter that allows users too input currency of a certain type, select target currency, enter amount, and instantly receive the converted value.

Approach

The approach of this project is easy and simple .I had watched people struggling to convert one currency to another. I got idea of this project after observing those people. This project aims real life problem like people wants to know how much "amount in any currency" can be in other currency. This project targets real life problem no doubt. This project is user friendly too. I had clear objective that is to help people who travel from one country to another for any purpose. Project outcome is that its return converted value of currency in different kind of currency .This project is user friendly tooo that is we don't need to execute whole program after each output of converted currency . I had applied most of the concept I learnt during classes. I had used concept of python language like functions, conditional statements ,loops, Boolean value,

break statement ,printing statement ,Operator ,Return statement and many more..

Implementation

The implementation process is followed as structured development cycle as planning, designing, coding, testing, and documentation.

- First, the aim and purpose of the project are answered
- Next, the algorithm and flowchart are prepared, which makes the coding phase much easier.
- After completion of the program, I it tested thoroughly and produced the expected correct outputs.
- Finally, I completed the documentation to conclude the project. Overall, the implementation was very smooth due to proper planning.

Results

The result of this project is exact and correct. The output of this came correct as expected. Below is the Screenshot of output of project:

```
Example want to convert to indian to dollar so kindly enter 'indian to dol
lar ' :)
From which to which currency do want to convert : Indian to euro
Kindly enter amount in Indian Rupee : 34
0.3298  Euro :)
Wants to convert currency (Yes/No) : no
    THANK YOU
```

Here are the steps with screenshot of how to execute this project:

Step-1:Run the program

Step-2:You will see as below screen in your screen.

```
Example want to convert to indian to dollar so kindly enter
'indian to dollar ' :)
From which to which currency do want to convert : ▮
```

Step-3: Now enter from which currency to which currency you want conversion of currency.

Example:

```
Example want to convert to indian to dollar so kindly enter
'indian to dollar ' :)
From which to which currency do want to convert : Indian to
dollar
Kindly enter amount in Indian Rupee : ▮
```

Step -4: Now it will how much money in specific currency you want to know in another currency.

Example:

```
Example want to convert to indian to dollar so kindly enter
'indian to dollar ' :)
From which to which currency do want to convert : Indian to
dollar
Kindly enter amount in Indian Rupee : 56
0.616  dollar :)
Wants to convert currency (Yes/No) : ▮
```

Step-5: Since project is user so u don't have to execute project/code again for another new

conversion of currency.

```
Example want to convert to indian to dollar so kindly enter
'indian to dollar ' :)
From which to which currency do want to convert : Indian to
dollar
Kindly enter amount in Indian Rupee : 56
0.616  dollar :)
Wants to convert currency (Yes/No) : No
      THANK YOU
```

Analysis

This Python project willl be useful for frequent travelers and anyone who needs quick currency conversions. The project successfully meets its objective by providing an easy, fast, and user friendly methods to convert currencies. This has achieved its aim of solving a real life financial problem effectively.